

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011422\
 Data File : VN070632.D
 Acq On : 14 Jan 2022 19:03
 Operator : JC/MD
 Sample : N1148-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-45

Manual Integrations
 APPROVED

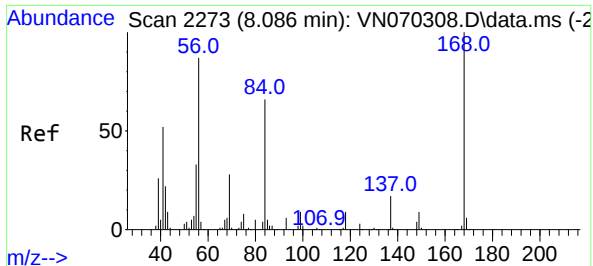
Reviewed By : John Carlone 01/17/2022
 Supervised By : Mahesh Dadoda 01/18/2022

Quant Time: Jan 17 05:41:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

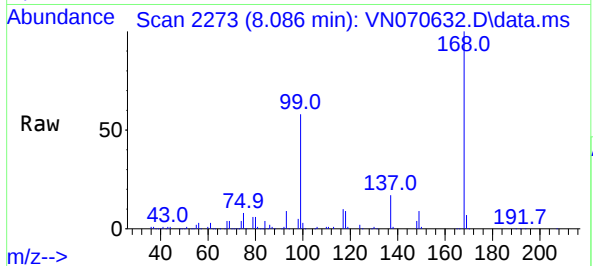
Internal Standards						
1) Pentafluorobenzene	8.086	168	835384	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1451236	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1312466	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	509151	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	647560	53.913	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.820%			
35) Dibromofluoromethane	8.021	113	456453	51.984	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 103.960%			
50) Toluene-d8	10.441	98	1885178	52.556	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.120%			
62) 4-Bromofluorobenzene	12.731	95	750106	57.899	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 115.800%			
Target Compounds					Qvalue	
3) Chloromethane	2.301	50	3199	0.248	ug/l	97
11) Tert butyl alcohol	5.382	59	1836881	918.473	ug/l	98
16) Acetone	4.285	43	104024m	13.341	ug/l	
19) Methyl tert-butyl Ether	5.618	73	3504702	110.922	ug/l #	79
22) Diisopropyl ether	6.501	45	89665	2.387	ug/l #	85
25) 2-Butanone	7.343	43	37780	3.848	ug/l #	79
40) Benzene	8.461	78	93228	2.093	ug/l	97
52) Toluene	10.505	92	14123	0.524	ug/l	98
67) Ethyl Benzene	11.846	91	32373	0.634	ug/l	94
68) m/p-Xylenes	11.953	106	21251	1.144	ug/l	97
69) o-Xylene	12.286	106	5040	0.273	ug/l	98
73) Isopropylbenzene	12.581	105	15889	0.336	ug/l	100
78) n-propylbenzene	12.921	91	45853	0.875	ug/l	94
80) 1,3,5-Trimethylbenzene	13.055	105	20798	0.549	ug/l	98
83) tert-Butylbenzene	13.321	119	12224	0.366	ug/l	96
84) 1,2,4-Trimethylbenzene	13.367	105	123182	3.376	ug/l	95
85) sec-Butylbenzene	13.503	105	53016	1.170	ug/l #	41
95) Naphthalene	15.504	128	153066	8.158	ug/l	97

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070632.D
Acq: 14 Jan 2022 19:03

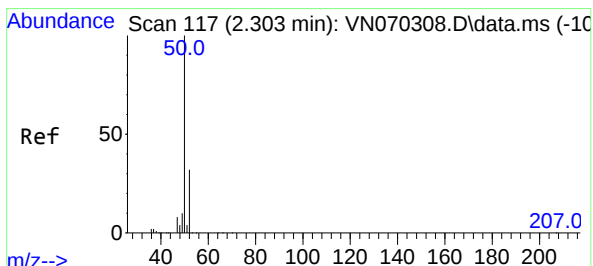
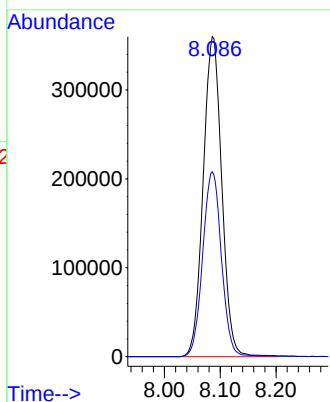
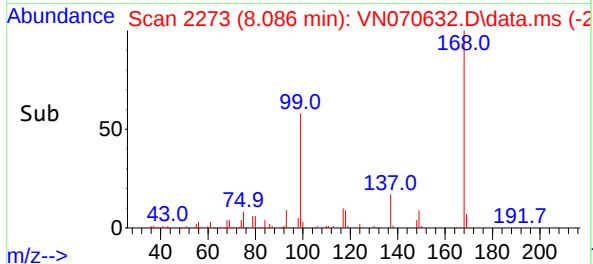
Instrument :
MSVOA_N
ClientSampleId :
MW-45



Tgt Ion:168 Resp: 835384
Ion Ratio Lower Upper
168 100
99 57.8 41.3 61.9

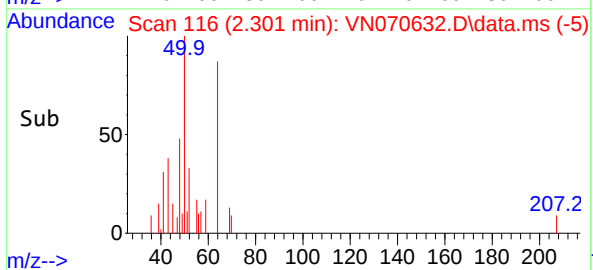
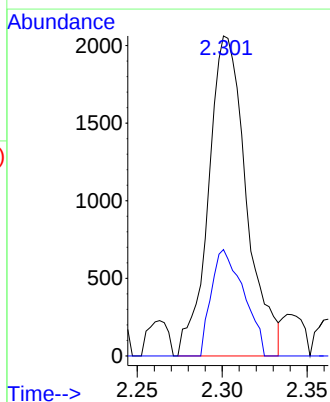
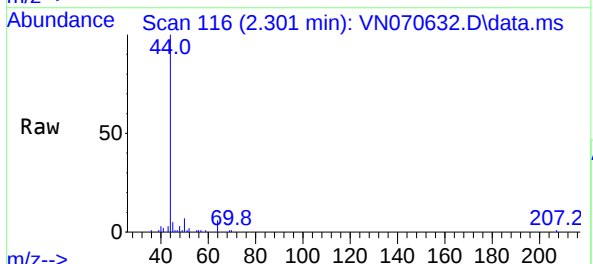
Manual Integrations
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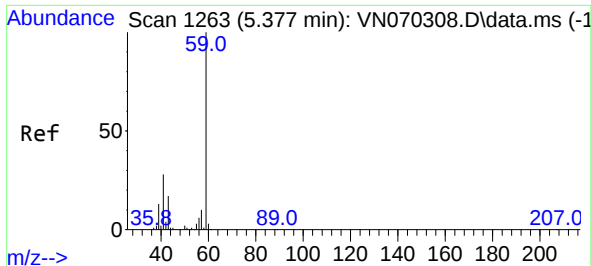
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



#3
Chloromethane
Concen: 0.248 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.002 min
Lab File: VN070632.D
Acq: 14 Jan 2022 19:03

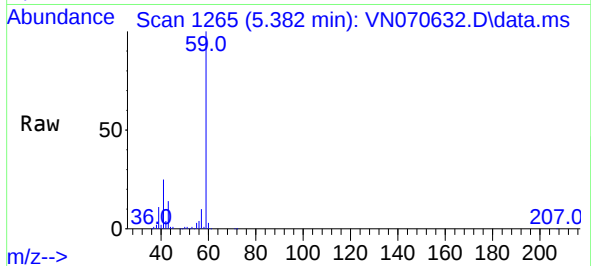
Tgt Ion: 50 Resp: 3199
Ion Ratio Lower Upper
50 100
52 33.3 25.4 38.0





#11
Tert butyl alcohol
Concen: 918.473 ug/l
RT: 5.382 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN070632.D
Acq: 14 Jan 2022 19:03

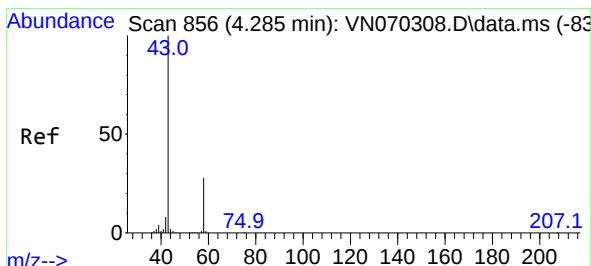
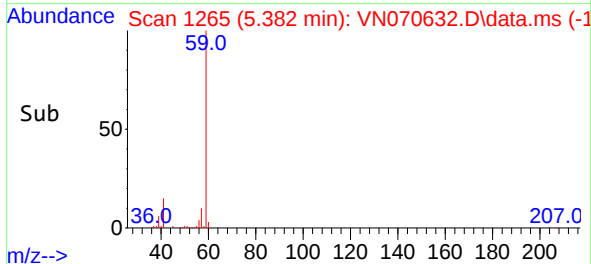
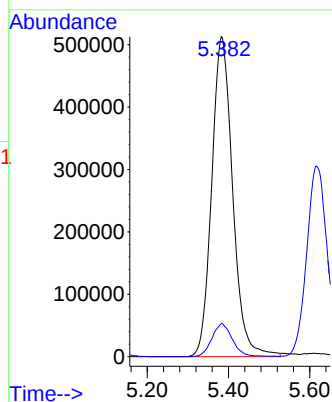
Instrument :
MSVOA_N
ClientSampleId :
MW-45



Tgt Ion: 59 Resp: 183688
Ion Ratio Lower Upper
59 100
57 10.2 8.7 13.1

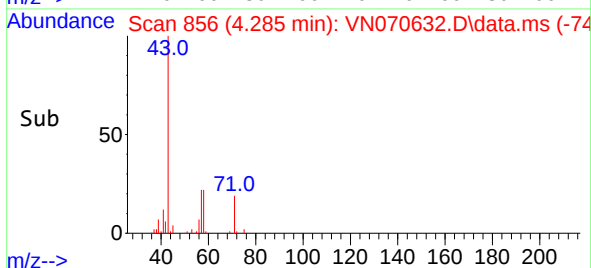
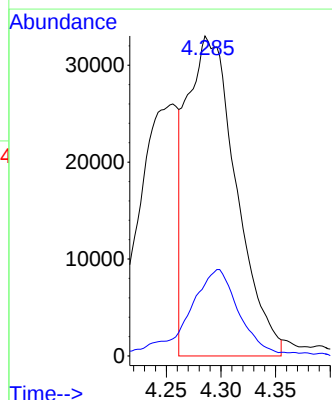
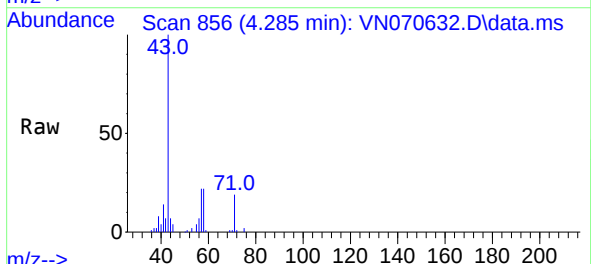
Manual Integrations
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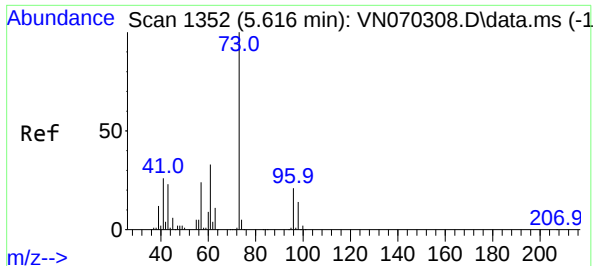
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



#16
Acetone
Concen: 13.341 ug/l m
RT: 4.285 min Scan# 856
Delta R.T. 0.000 min
Lab File: VN070632.D
Acq: 14 Jan 2022 19:03

Tgt Ion: 43 Resp: 104024
Ion Ratio Lower Upper
43 100
58 22.4 23.1 34.7#





#19

Methyl tert-butyl Ether

Concen: 110.922 ug/l

RT: 5.618 min Scan# 11

Delta R.T. 0.002 min

Lab File: VN070632.D

Acq: 14 Jan 2022 19:03

Instrument :

MSVOA_N

ClientSampleId :

MW-45

Tgt Ion: 73 Resp: 350470

Ion Ratio Lower Upper

73 100

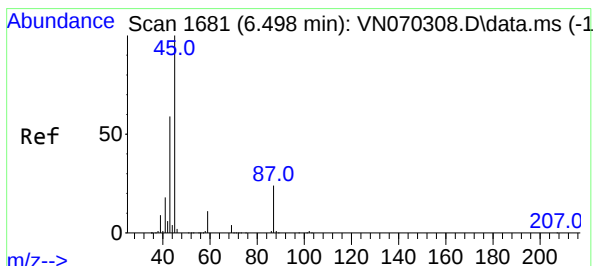
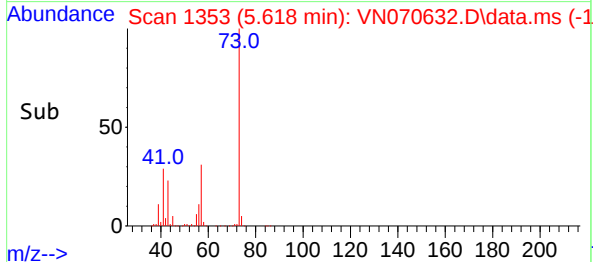
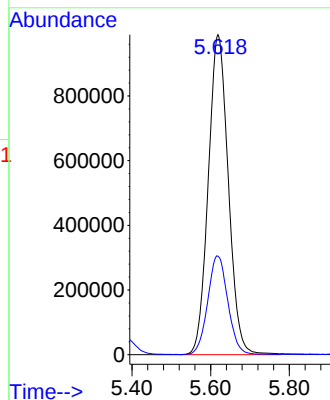
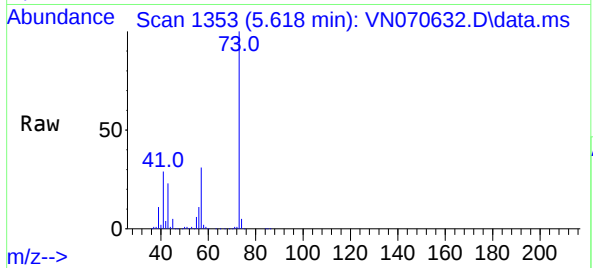
57 30.7 16.8 25.2

Manual Integrations

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Reviewed By :John Carlone 01/17/2022

Supervised By :Mahesh Dadoda 01/18/2022



#22

Diisopropyl ether

Concen: 2.387 ug/l

RT: 6.501 min Scan# 1682

Delta R.T. 0.003 min

Lab File: VN070632.D

Acq: 14 Jan 2022 19:03

Tgt Ion: 45 Resp: 89665

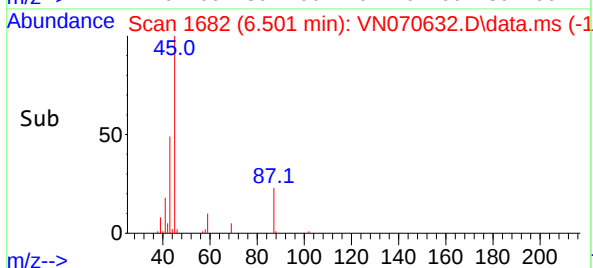
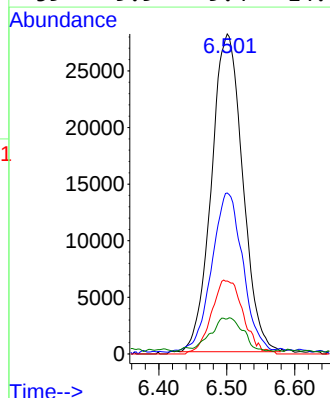
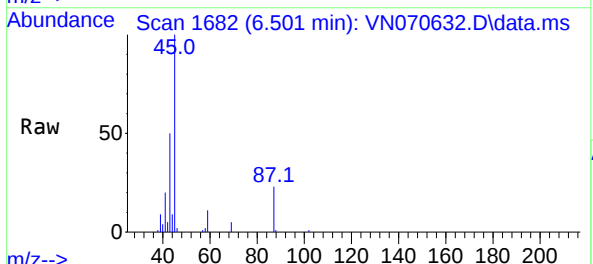
Ion Ratio Lower Upper

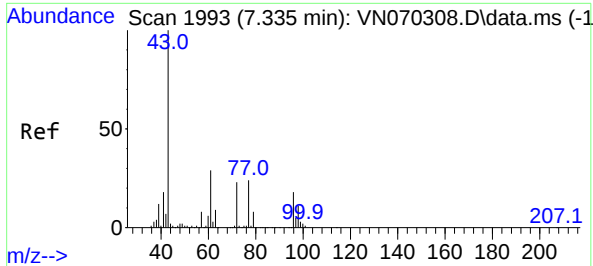
45 100

43 49.4 51.7 77.5#

87 23.0 23.2 34.8#

59 9.9 9.4 14.0





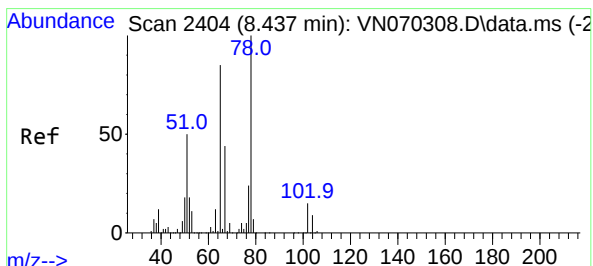
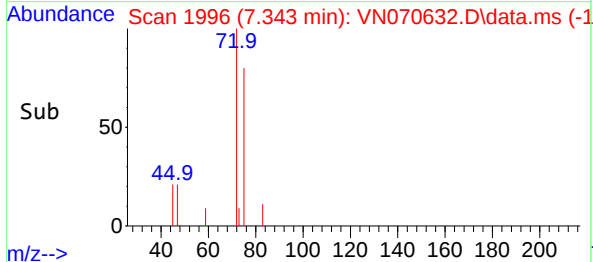
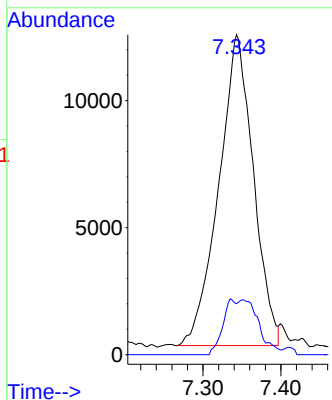
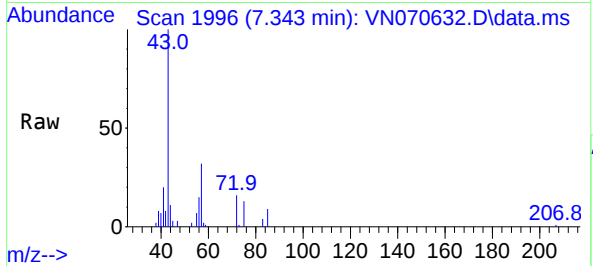
#25
2-Butanone
Concen: 3.848 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.008 min
Lab File: VN070632.D
Acq: 14 Jan 2022 19:03

Instrument :
MSVOA_N
ClientSampleId :
MW-45

Tgt Ion: 43 Resp: 37780
Ion Ratio Lower Upper
43 100
72 16.4 21.7 32.5

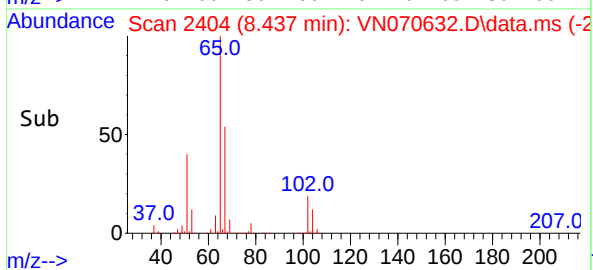
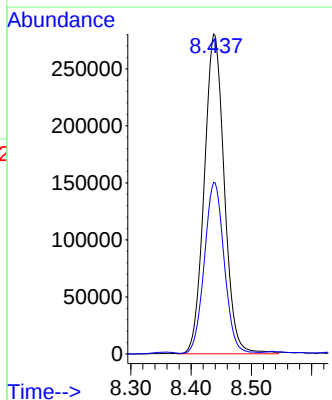
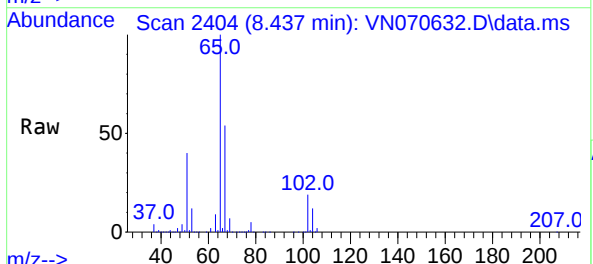
Manual Integrations
APPROVED

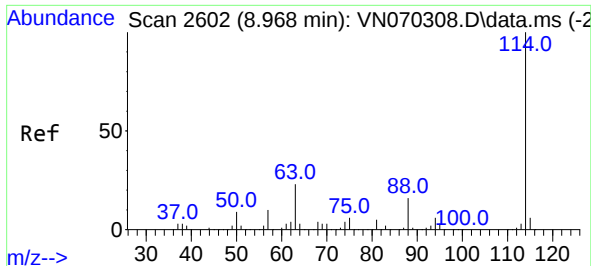
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



#33
1,2-Dichloroethane-d4
Concen: 53.913 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN070632.D
Acq: 14 Jan 2022 19:03

Tgt Ion: 65 Resp: 647560
Ion Ratio Lower Upper
65 100
67 52.9 0.0 103.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN070632.D
Acq: 14 Jan 2022 19:03

Instrument :

MSVOA_N

ClientSampleId :

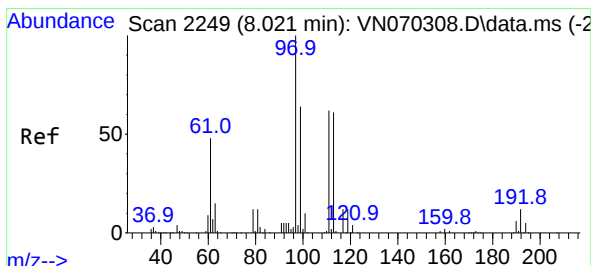
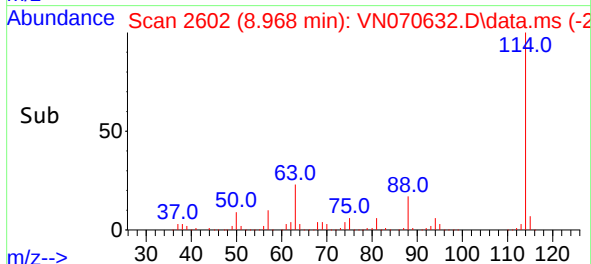
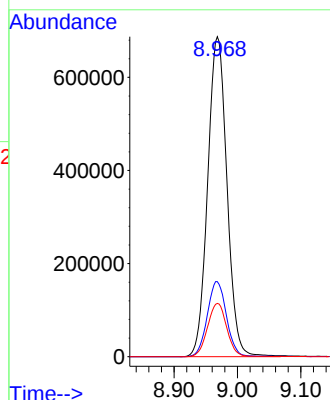
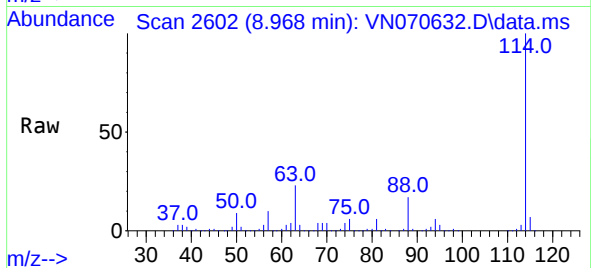
MW-45

Tgt Ion:114 Resp: 1451230
Ion Ratio Lower Upper
114 100
63 23.4 0.0 37.8
88 16.6 0.0 27.4

Manual Integrations

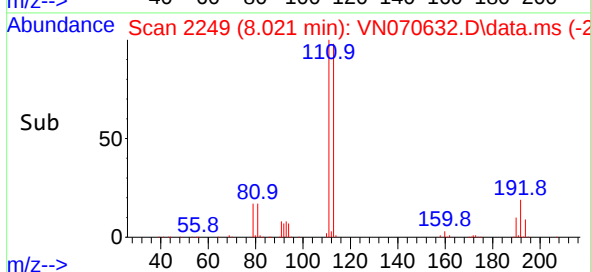
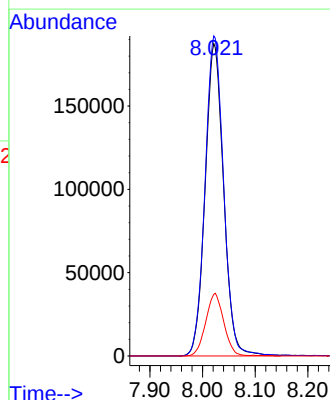
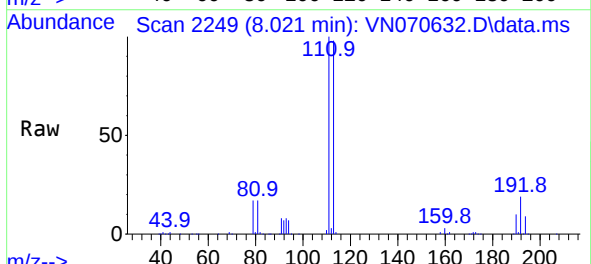
APPROVED

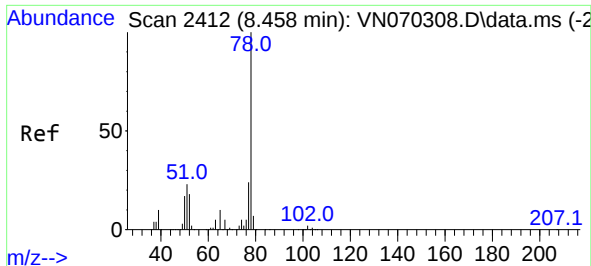
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022



#35
Dibromofluoromethane
Concen: 51.984 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN070632.D
Acq: 14 Jan 2022 19:03

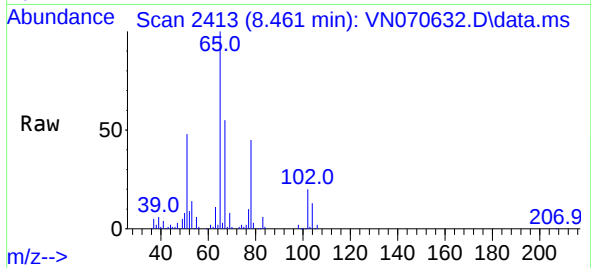
Tgt Ion:113 Resp: 456453
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 19.5 16.9 25.3





#40
Benzene
Concen: 2.093 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.003 min
Lab File: VN070632.D
Acq: 14 Jan 2022 19:03

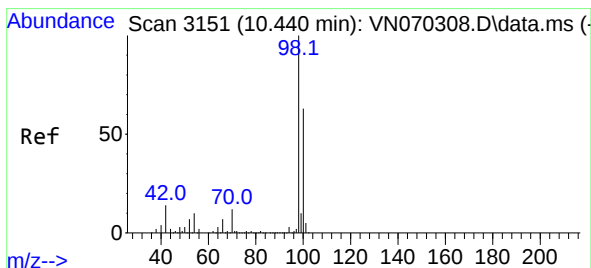
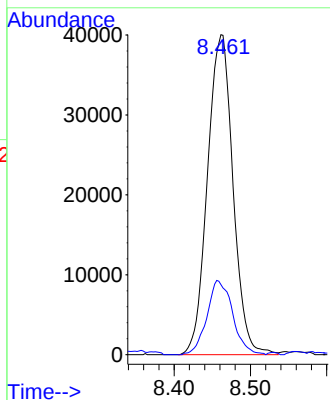
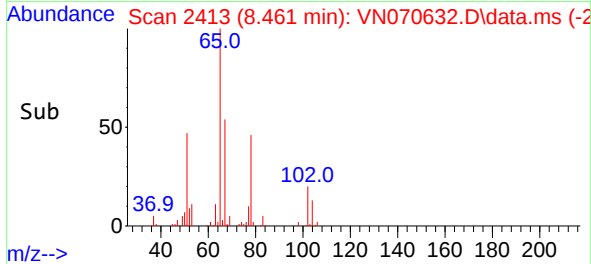
Instrument :
MSVOA_N
ClientSampleId :
MW-45



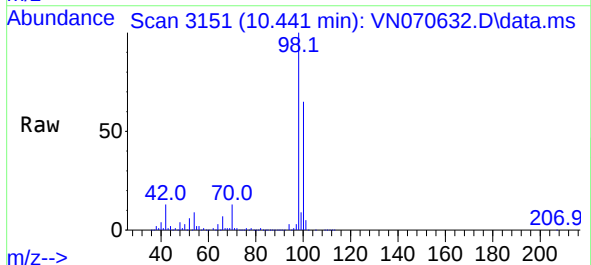
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Ion Ratio Lower Upper
78 100
77 21.9 18.6 27.8

Manual Integrations
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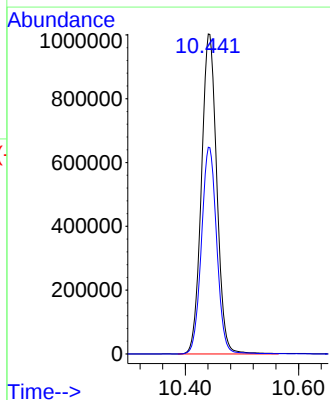
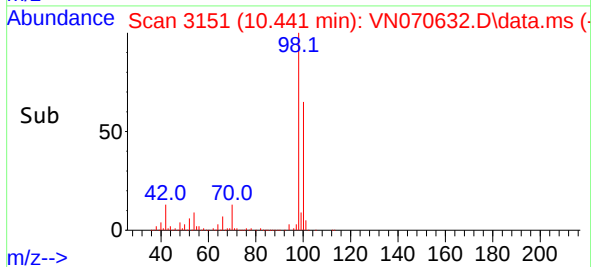
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

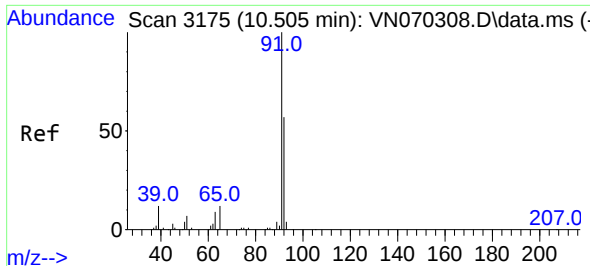


#50
Toluene-d8
Concen: 52.556 ug/l
RT: 10.441 min Scan# 3151
Delta R.T. 0.001 min
Lab File: VN070632.D
Acq: 14 Jan 2022 19:03



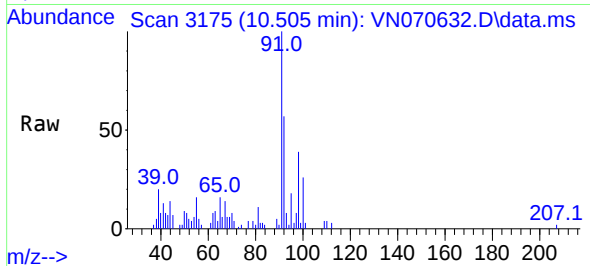
Tgt Ion: 98 Resp: 1885178
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6





#52
Toluene
Concen: 0.524 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070632.D
Acq: 14 Jan 2022 19:03

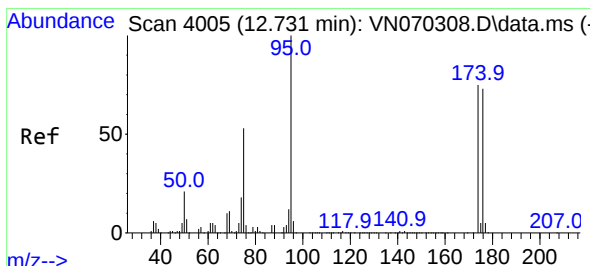
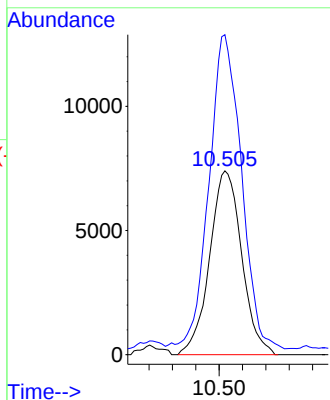
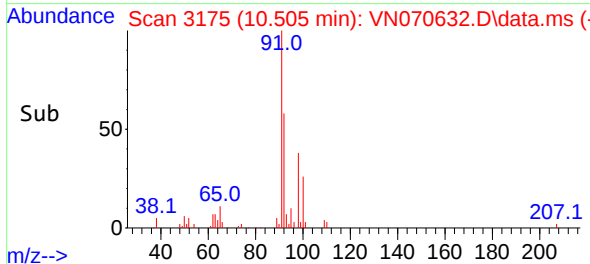
Instrument :
MSVOA_N
ClientSampleId :
MW-45



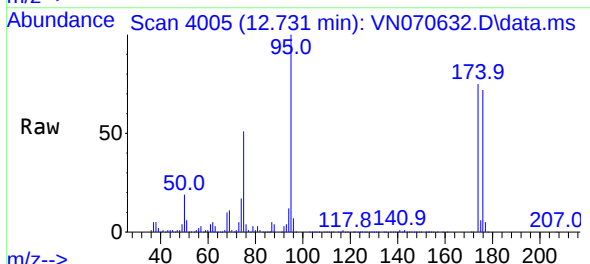
Tgt Ion: 92 Resp: 1412.0
Ion Ratio Lower Upper
92 100
91 174.2 142.0 213.0

Manual Integrations
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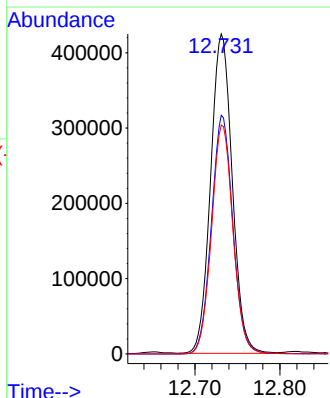
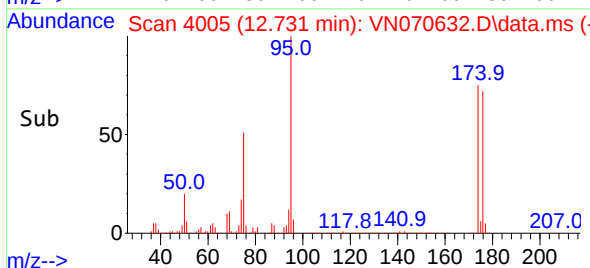
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

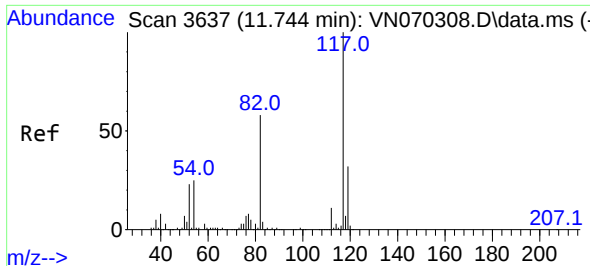


#62
4-Bromofluorobenzene
Concen: 57.899 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070632.D
Acq: 14 Jan 2022 19:03



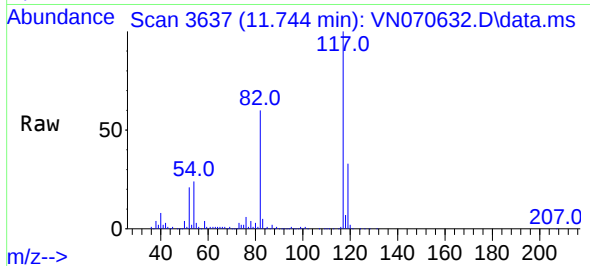
Tgt Ion: 95 Resp: 750106
Ion Ratio Lower Upper
95 100
174 74.3 0.0 187.2
176 71.1 0.0 181.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070632.D
Acq: 14 Jan 2022 19:03

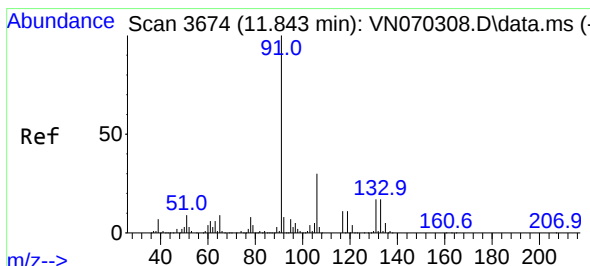
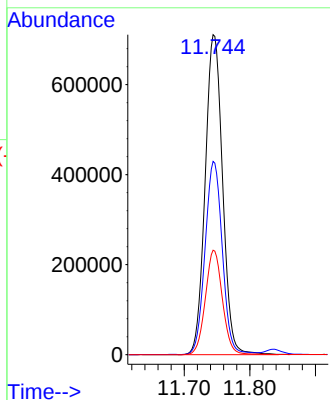
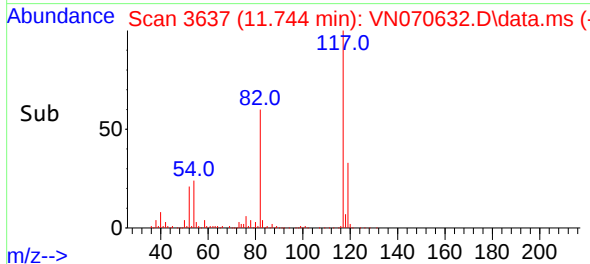
Instrument :
MSVOA_N
ClientSampleId :
MW-45



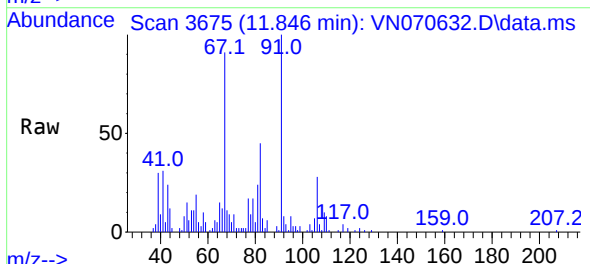
Tgt Ion: 117 Resp: 131246
Ion Ratio Lower Upper
117 100
82 60.3 42.4 63.6
119 32.7 25.4 38.2

Manual Integrations
APPROVED

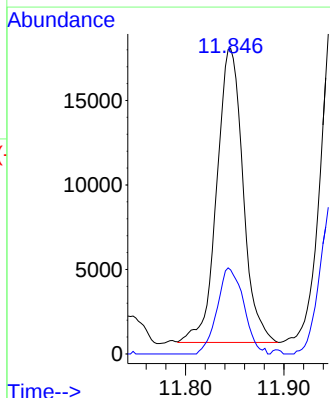
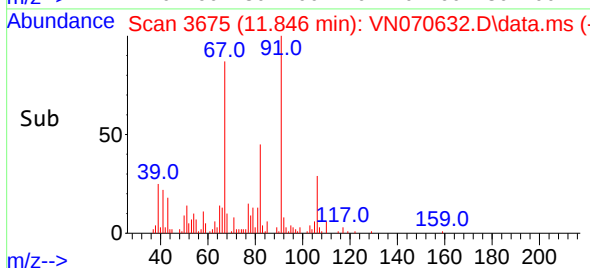
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

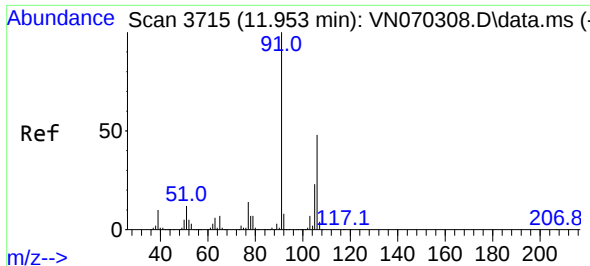


#67
Ethyl Benzene
Concen: 0.634 ug/l
RT: 11.846 min Scan# 3675
Delta R.T. 0.003 min
Lab File: VN070632.D
Acq: 14 Jan 2022 19:03



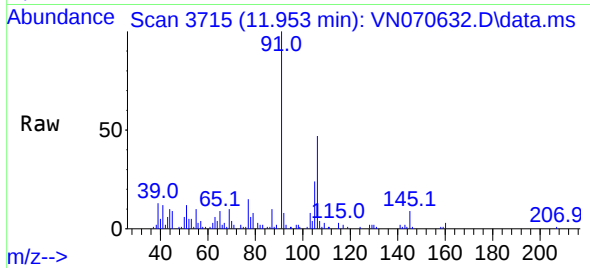
Tgt Ion: 91 Resp: 32373
Ion Ratio Lower Upper
91 100
106 28.6 25.7 38.5





#68
m/p-Xylenes
Concen: 1.144 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. 0.000 min
Lab File: VN070632.D
Acq: 14 Jan 2022 19:03

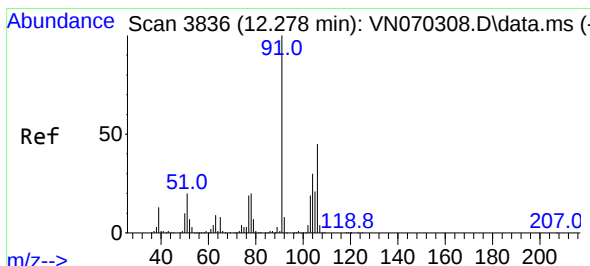
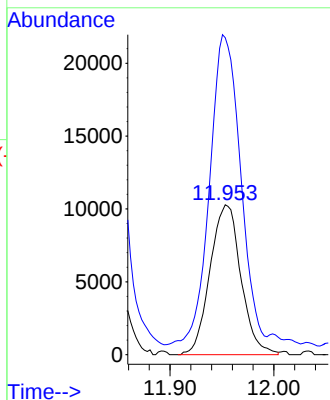
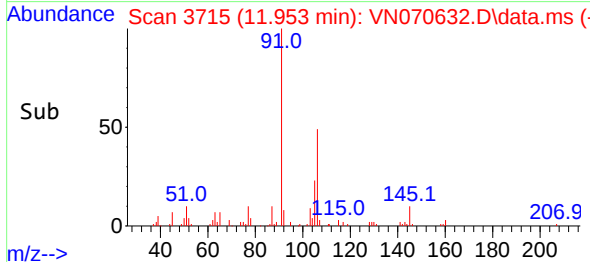
Instrument :
MSVOA_N
ClientSampleId :
MW-45



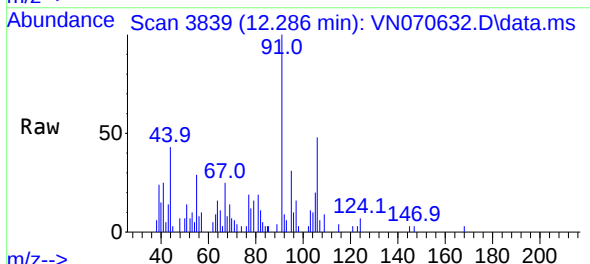
Tgt Ion:106 Resp: 2125
Ion Ratio Lower Upper
106 100
91 204.9 160.6 240.8

Manual Integrations
APPROVED

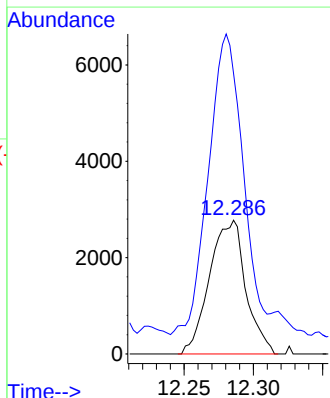
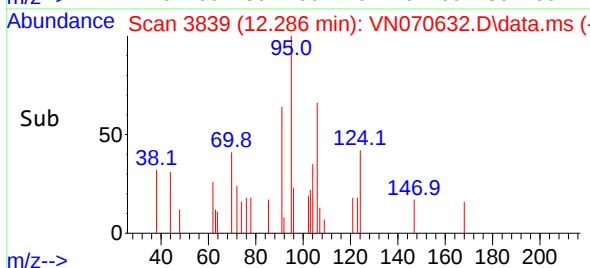
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

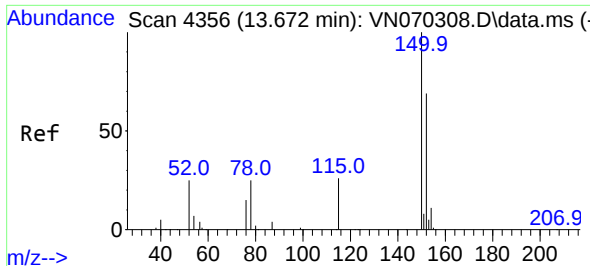


#69
o-Xylene
Concen: 0.273 ug/l
RT: 12.286 min Scan# 3839
Delta R.T. 0.008 min
Lab File: VN070632.D
Acq: 14 Jan 2022 19:03



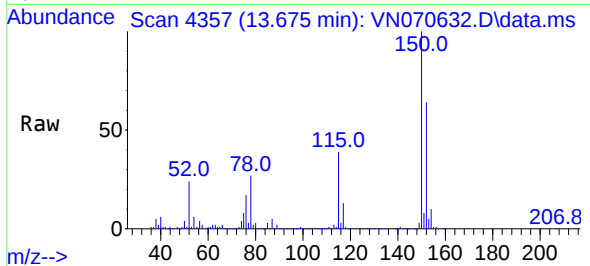
Tgt Ion:106 Resp: 5040
Ion Ratio Lower Upper
106 100
91 214.9 105.8 317.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4356
Delta R.T. 0.003 min
Lab File: VN070632.D
Acq: 14 Jan 2022 19:03

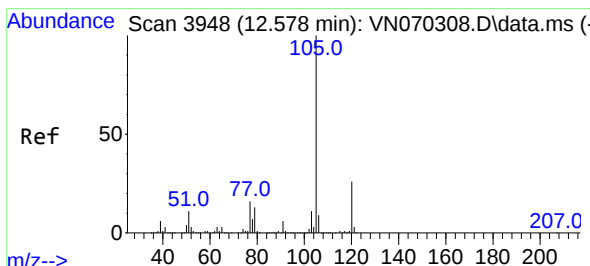
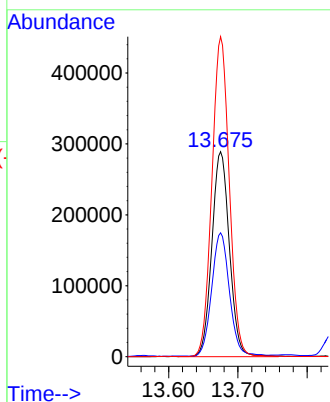
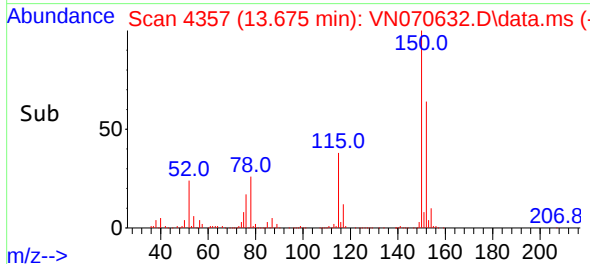
Instrument :
MSVOA_N
ClientSampleId :
MW-45



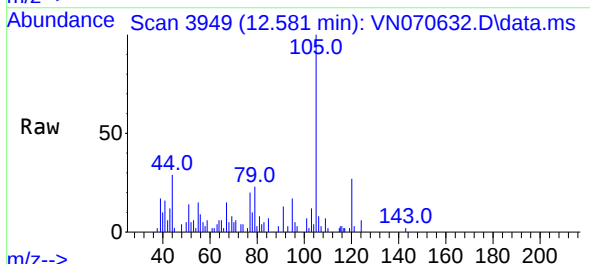
Tgt Ion:152 Resp: 50915
Ion Ratio Lower Upper
152 100
115 60.8 27.5 82.5
150 154.2 0.0 344.4

Manual Integrations
APPROVED

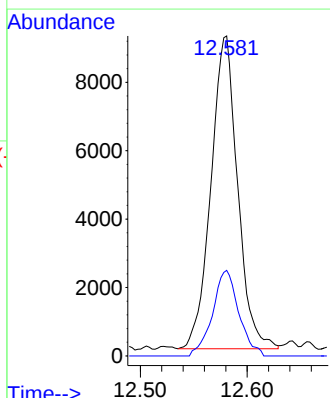
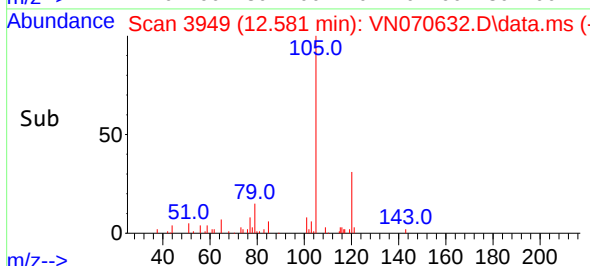
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

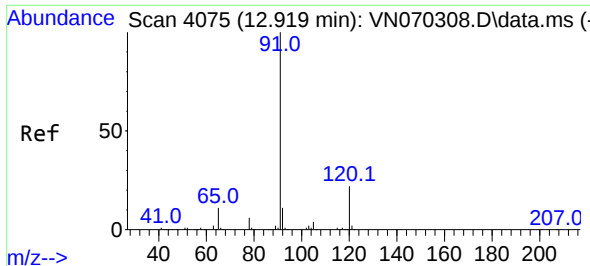


#73
Isopropylbenzene
Concen: 0.336 ug/l
RT: 12.581 min Scan# 3949
Delta R.T. 0.003 min
Lab File: VN070632.D
Acq: 14 Jan 2022 19:03



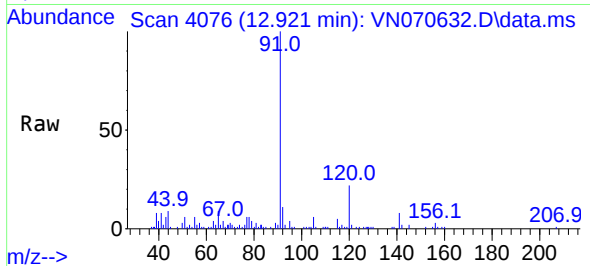
Tgt Ion:105 Resp: 15889
Ion Ratio Lower Upper
105 100
120 26.8 13.4 40.1





#78
n-propylbenzene
Concen: 0.875 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.002 min
Lab File: VN070632.D
Acq: 14 Jan 2022 19:03

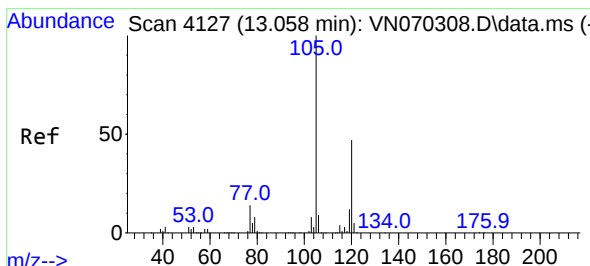
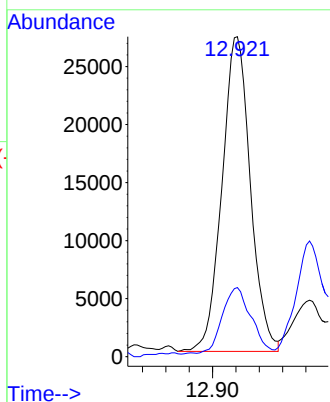
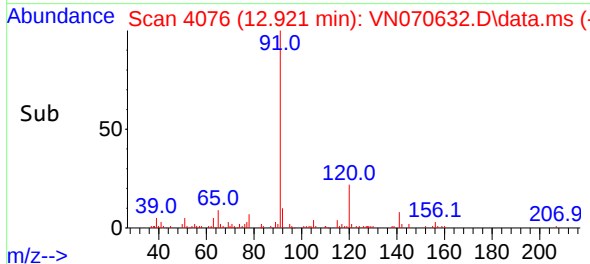
Instrument :
MSVOA_N
ClientSampleId :
MW-45



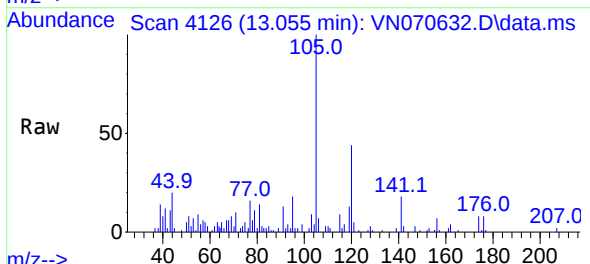
Tgt Ion: 91 Resp: 4585
Ion Ratio Lower Upper
91 100
120 21.0 11.9 35.9

Manual Integrations
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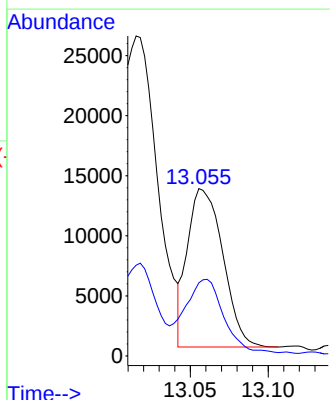
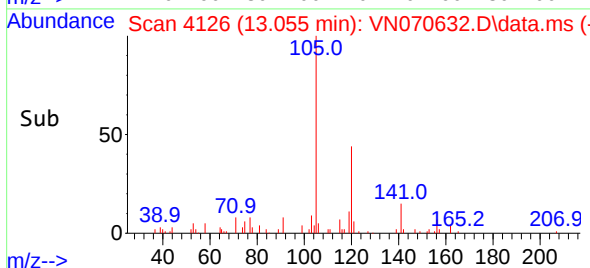
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

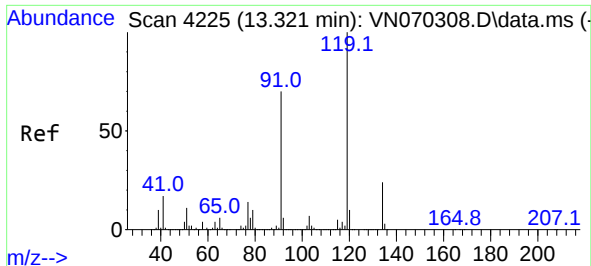


#80
1,3,5-Trimethylbenzene
Concen: 0.549 ug/l
RT: 13.055 min Scan# 4126
Delta R.T. -0.003 min
Lab File: VN070632.D
Acq: 14 Jan 2022 19:03



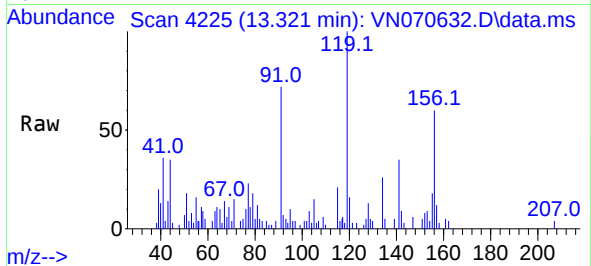
Tgt Ion:105 Resp: 20798
Ion Ratio Lower Upper
105 100
120 50.6 24.6 73.6





#83
tert-Butylbenzene
Concen: 0.366 ug/l
RT: 13.321 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN070632.D
Acq: 14 Jan 2022 19:03

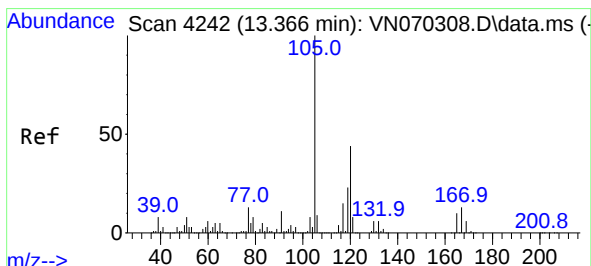
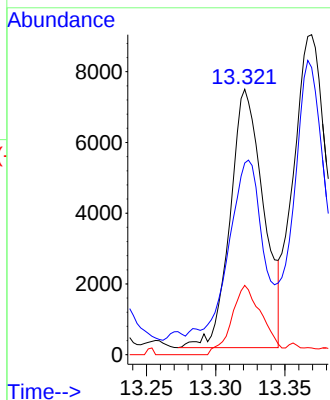
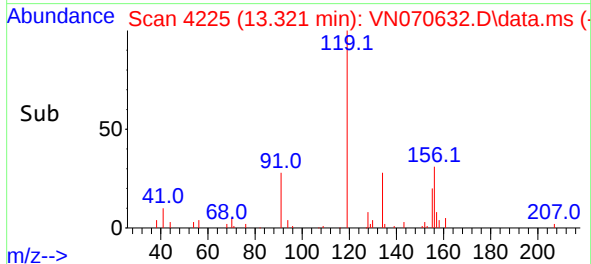
Instrument :
MSVOA_N
ClientSampleId :
MW-45



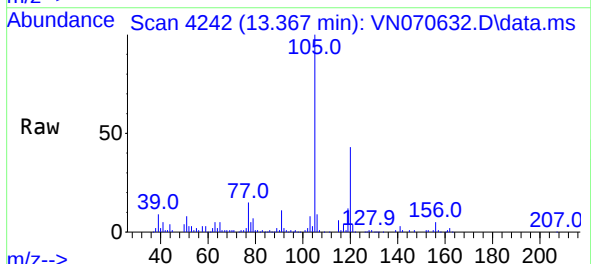
Tgt Ion:119 Resp: 12224
Ion Ratio Lower Upper
119 100
91 67.0 31.5 94.5
134 24.7 12.4 37.4

Manual Integrations
APPROVED

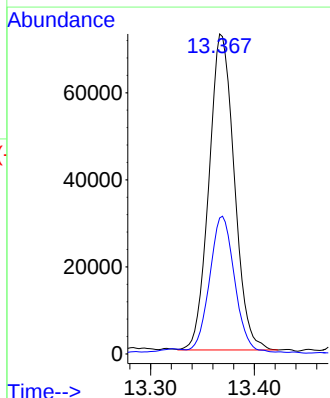
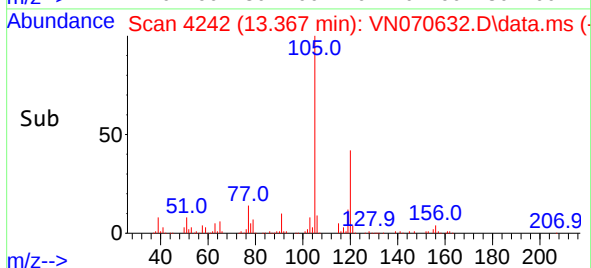
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/18/2022

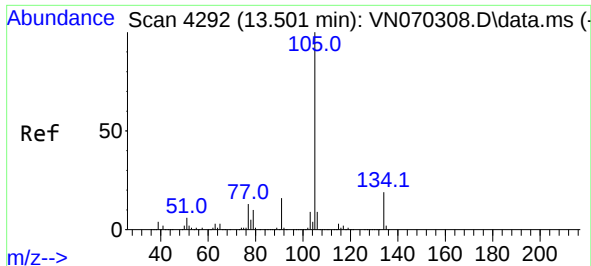


#84
1,2,4-Trimethylbenzene
Concen: 3.376 ug/l
RT: 13.367 min Scan# 4242
Delta R.T. 0.001 min
Lab File: VN070632.D
Acq: 14 Jan 2022 19:03



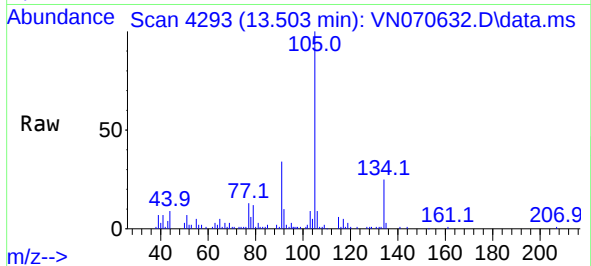
Tgt Ion:105 Resp: 123182
Ion Ratio Lower Upper
105 100
120 42.2 22.8 68.4





#85
 sec-Butylbenzene
 Concen: 1.170 ug/l
 RT: 13.503 min Scan# 4293
 Delta R.T. 0.002 min
 Lab File: VN070632.D
 Acq: 14 Jan 2022 19:03

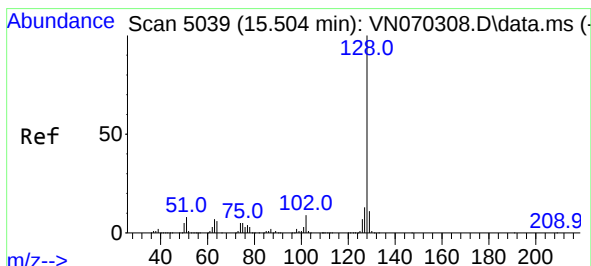
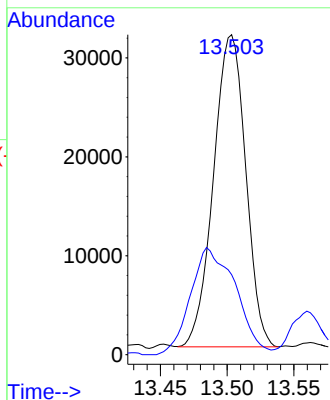
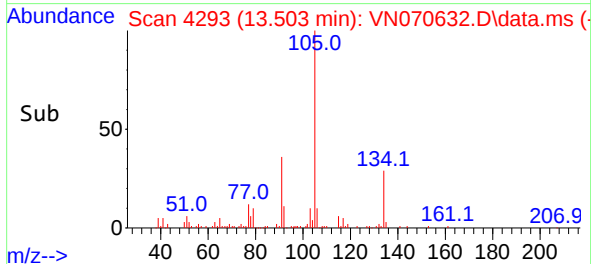
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-45



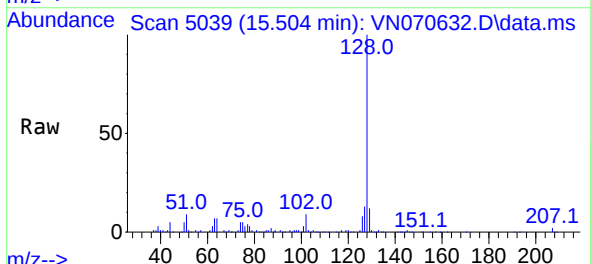
Tgt Ion:105 Resp: 53010
 Ion Ratio Lower Upper
 105 100
 134 48.0 10.4 31.1

Manual Integrations
 APPROVED

Reviewed By :John Carlone 01/17/2022
 Supervised By :Mahesh Dadoda 01/18/2022



#95
 Naphthalene
 Concen: 8.158 ug/l
 RT: 15.504 min Scan# 5039
 Delta R.T. 0.000 min
 Lab File: VN070632.D
 Acq: 14 Jan 2022 19:03



Tgt Ion:128 Resp: 153066
 Ion Ratio Lower Upper
 128 100
 127 12.1 10.5 15.7
 129 9.1 8.7 13.1

