

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052622\
 Data File : VN072644.D
 Acq On : 26 May 2022 21:54
 Operator : JC\MD
 Sample : N3073-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 220525033-02-VOA

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/27/2022
 Supervised By : Mahesh Dadoda 05/27/2022

Quant Time: May 27 05:36:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 27 05:07:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.651	128	30924	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	173266	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	148906	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.428	65	88952	30.061	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.200%			
60) 4-Bromofluorobenzene	12.727	95	71397	27.302	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 91.000%			
63) Toluene-d8	10.439	98	257545	30.418	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.400%			
Target Compounds						
					Qvalue	
15) Acetone	4.275	58	138514	341.790	ug/l #	51
23) tert-Butyl Alcohol	5.351	59	1317957	2494.172	ug/l #	100
24) Methyl tert-Butyl Ether	5.604	73	6920	0.967	ug/l #	55
30) 2-Butanone	7.328	43	393507	178.339	ug/l #	91
34) Benzene	8.451	78	5929	0.576	ug/l #	1
62) Toluene	10.498	91	7019	0.671	ug/l	92
64) Chlorobenzene	11.768	112	1997	0.329	ug/l #	65
66) Ethyl Benzene	11.839	91	13540m	1.174	ug/l	
67) m/p-Xylenes	11.951	106	4488	1.071	ug/l	96
68) o-Xylene	12.274	106	3011	0.722	ug/l	99
80) 1,2,4-Trimethylbenzene	13.363	105	3085	0.380	ug/l #	83
82) p-Isopropyltoluene	13.615	119	2371	0.287	ug/l	78
84) 1,4-Dichlorobenzene	13.686	146	2384	0.604	ug/l	99
91) Naphthalene	15.498	128	55712	8.020	ug/l	100

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

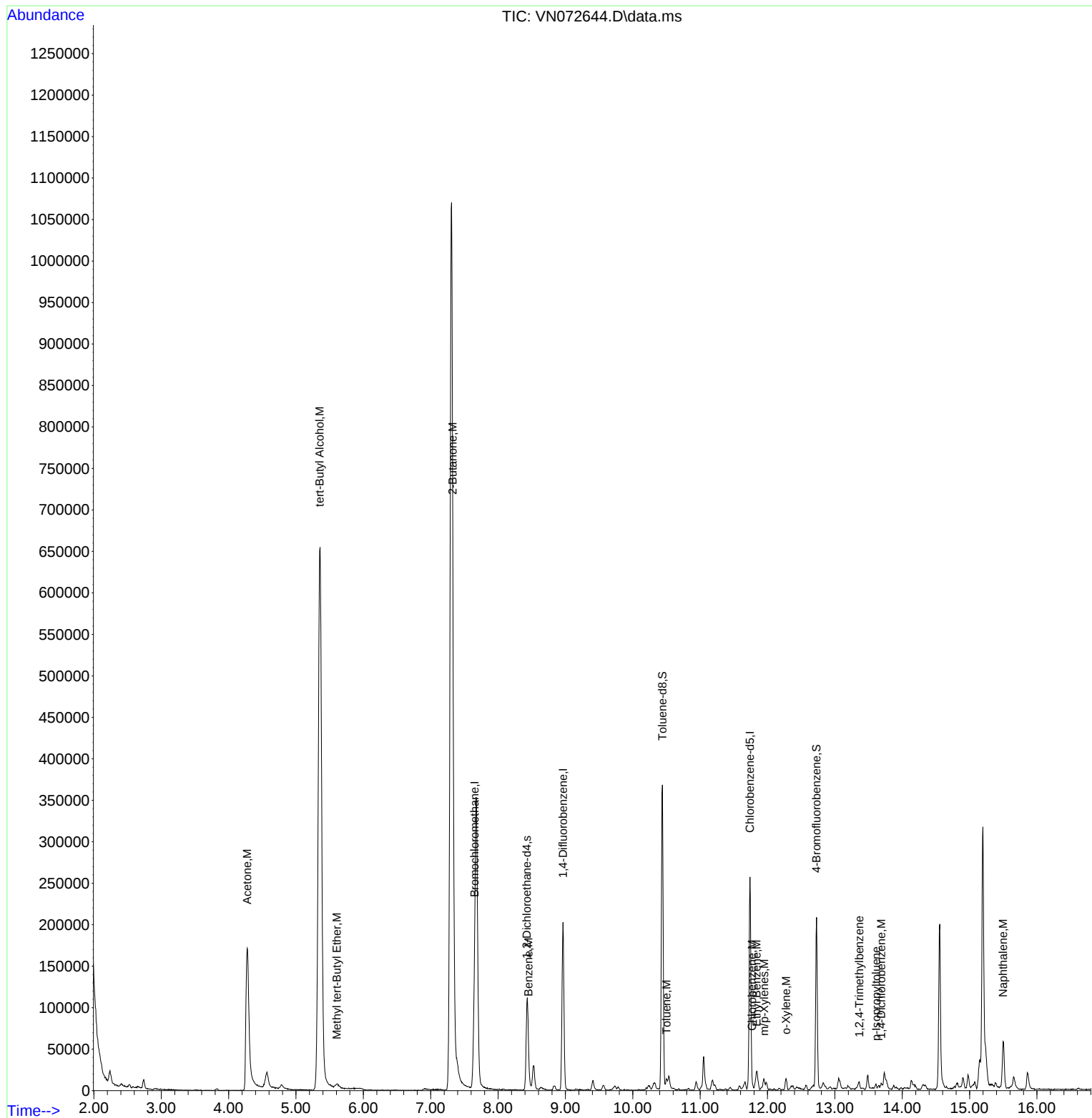
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052622\
Data File : VN072644.D
Acq On : 26 May 2022 21:54
Operator : JC\MD
Sample : N3073-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

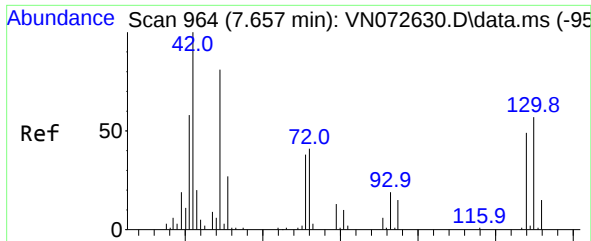
Instrument :
MSVOA_N
ClientSampleId :
220525033-02-VOA

Quant Time: May 27 05:36:08 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N052622W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 27 05:07:24 2022
Response via : Initial Calibration

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APPROVED

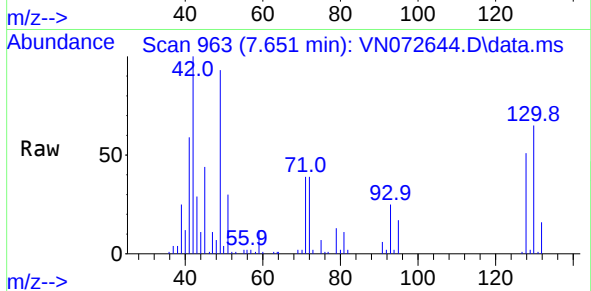
Reviewed By :John Carlone 05/27/2022
Supervised By :Mahesh Dadoda 05/27/2022





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.651 min Scan# 90
Delta R.T. -0.006 min
Lab File: VN072644.D
Acq: 26 May 2022 21:54

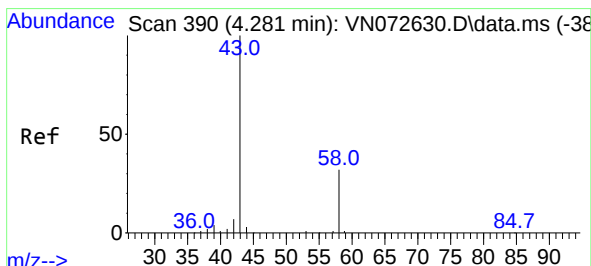
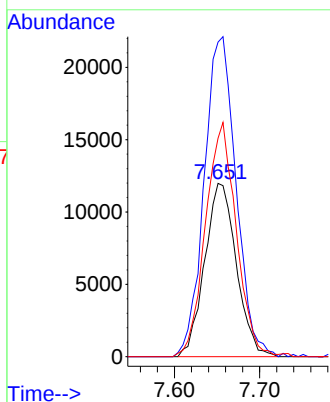
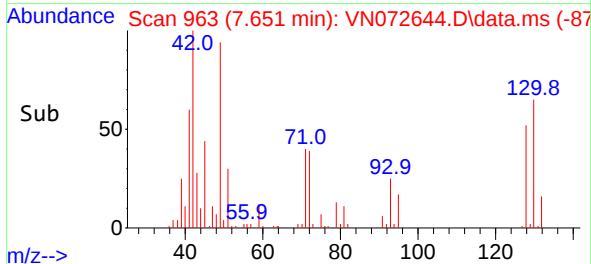
Instrument :
MSVOA_N
ClientSampleId :
220525033-02-VOA



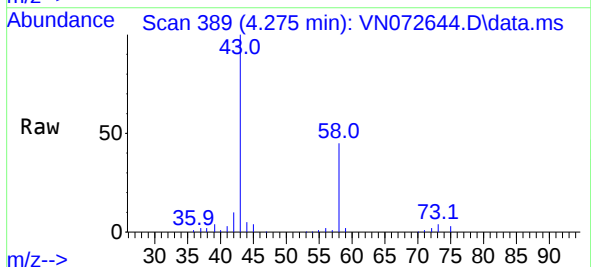
Tgt Ion:128 Resp: 30924
Ion Ratio Lower Upper
128 100
49 185.6 0.0 392.3
130 131.4 0.0 320.2

Manual Integrations
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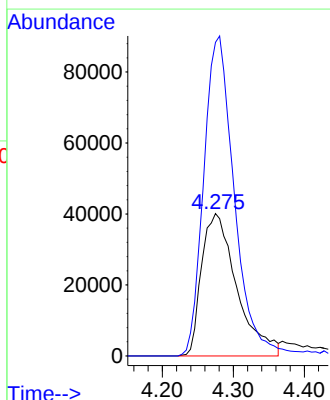
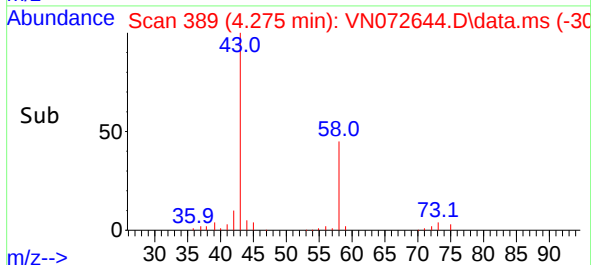
Reviewed By :John Carlone 05/27/2022
Supervised By :Mahesh Dadoda 05/27/2022

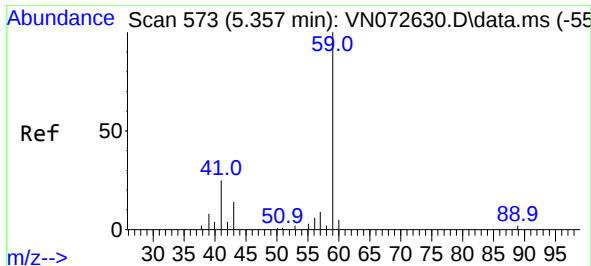


#15
Acetone
Concen: 341.790 ug/l
RT: 4.275 min Scan# 389
Delta R.T. -0.006 min
Lab File: VN072644.D
Acq: 26 May 2022 21:54



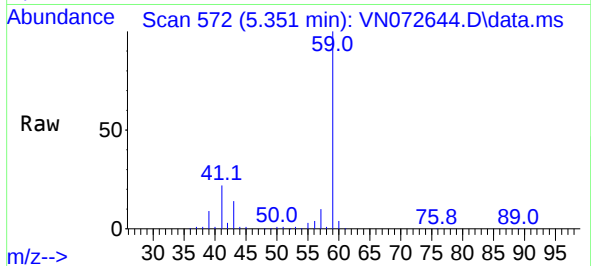
Tgt Ion: 58 Resp: 138514
Ion Ratio Lower Upper
58 100
43 220.2 256.6 384.8#





#23
tert-Butyl Alcohol
Concen: 2494.172 ug/l
RT: 5.351 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN072644.D
Acq: 26 May 2022 21:54

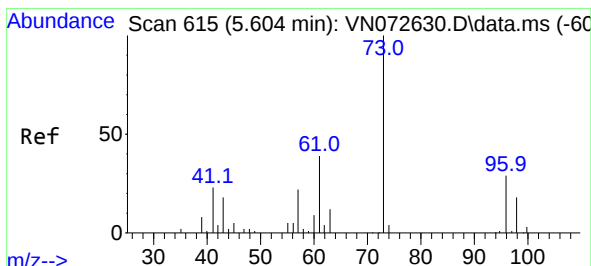
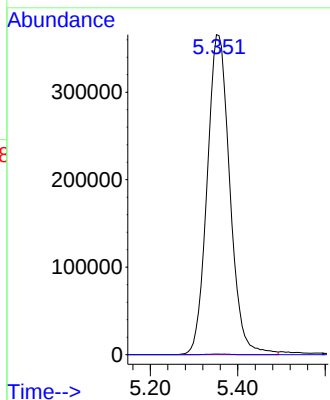
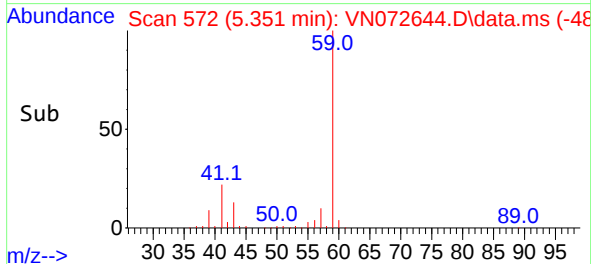
Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion: 59 Resp: 131795
Ion Ratio Lower Upper
59 100
52 0.2 0.0 0.0

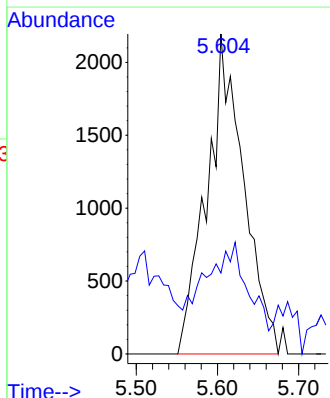
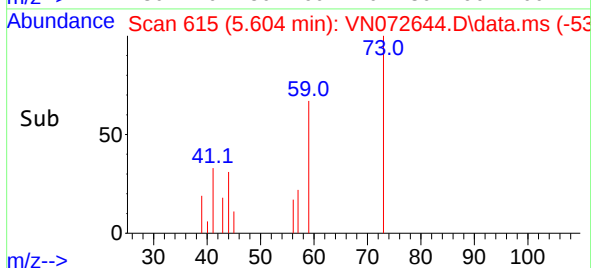
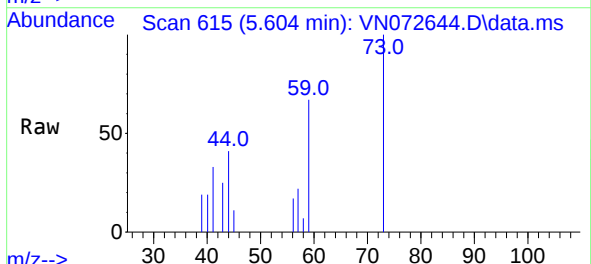
Manual Integrations
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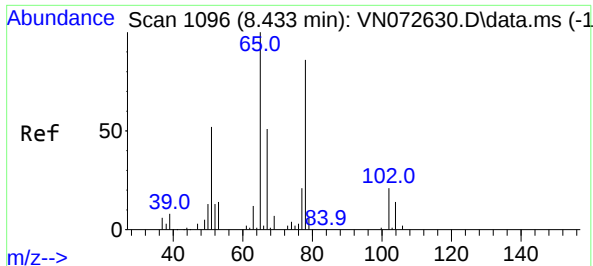
Reviewed By :John Carlone 05/27/2022
Supervised By :Mahesh Dadoda 05/27/2022



#24
Methyl tert-Butyl Ether
Concen: 0.967 ug/l
RT: 5.604 min Scan# 615
Delta R.T. 0.000 min
Lab File: VN072644.D
Acq: 26 May 2022 21:54

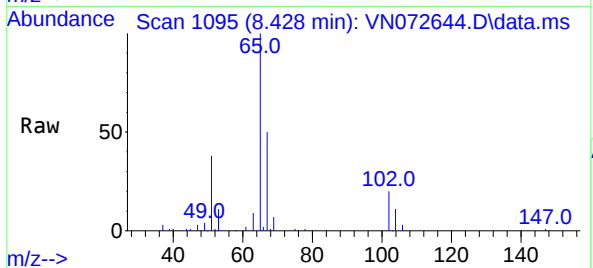
Tgt Ion: 73 Resp: 6920
Ion Ratio Lower Upper
73 100
43 0.8 18.1 27.1#





#27
1,2-Dichloroethane-d4
Concen: 30.061 ug/l
RT: 8.428 min Scan# 1095
Delta R.T. -0.006 min
Lab File: VN072644.D
Acq: 26 May 2022 21:54

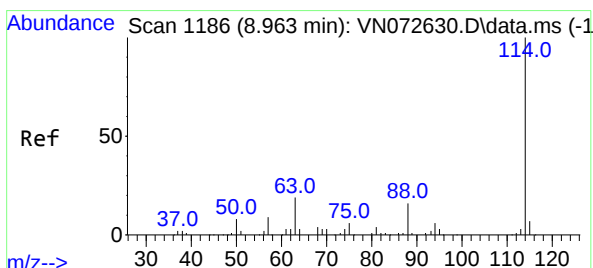
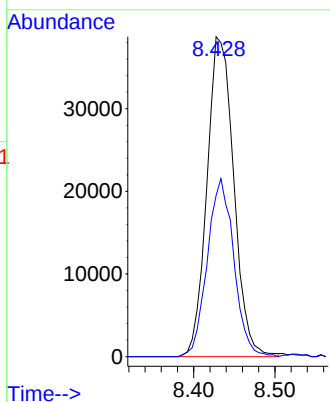
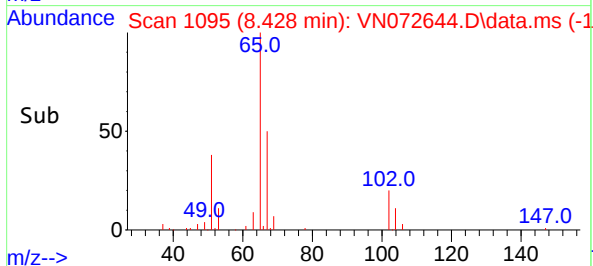
Instrument :
MSVOA_N
ClientSampleId :
220525033-02-VOA



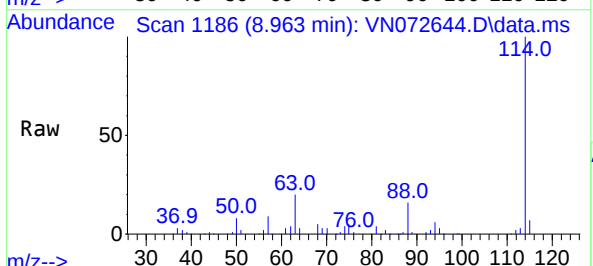
Tgt Ion: 65 Resp: 88952
Ion Ratio Lower Upper
65 100
67 54.9 40.2 60.2

Manual Integrations
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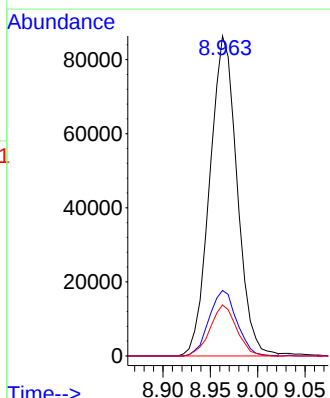
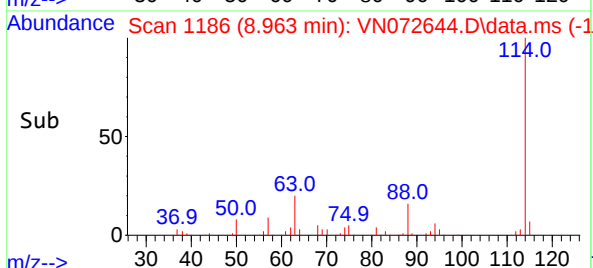
Reviewed By :John Carlone 05/27/2022
Supervised By :Mahesh Dadoda 05/27/2022

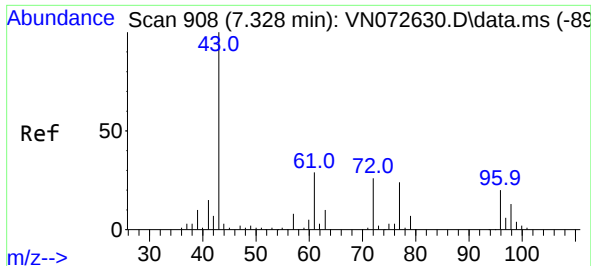


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN072644.D
Acq: 26 May 2022 21:54



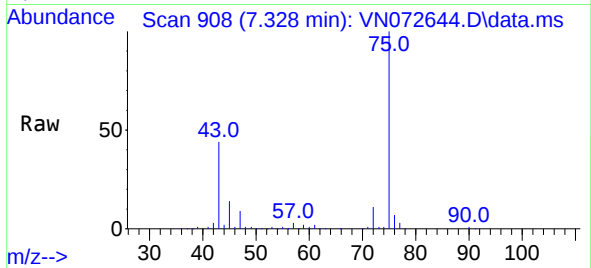
Tgt Ion:114 Resp: 173266
Ion Ratio Lower Upper
114 100
63 20.7 15.8 23.6
88 15.4 11.6 17.4





#30
2-Butanone
Concen: 178.339 ug/l
RT: 7.328 min Scan# 908
Delta R.T. 0.000 min
Lab File: VN072644.D
Acq: 26 May 2022 21:54

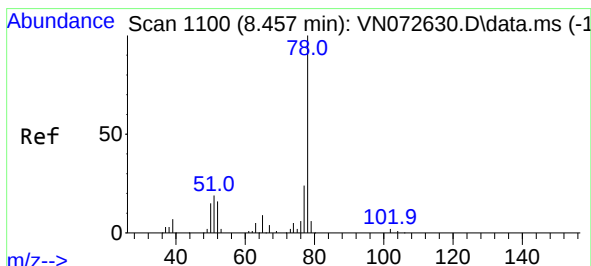
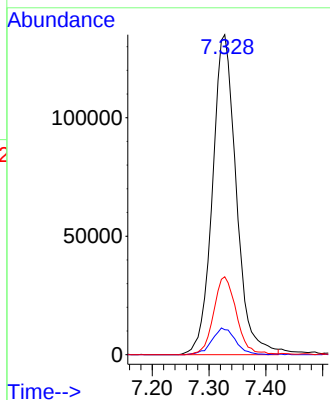
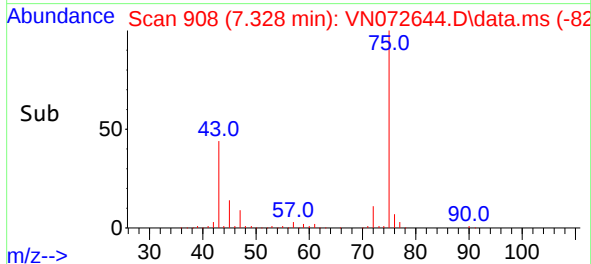
Instrument :
MSVOA_N
ClientSampleId :
220525033-02-VOA



Tgt Ion: 43 Resp: 393507
Ion Ratio Lower Upper
43 100
57 8.3 6.7 10.1
72 23.1 23.2 34.8

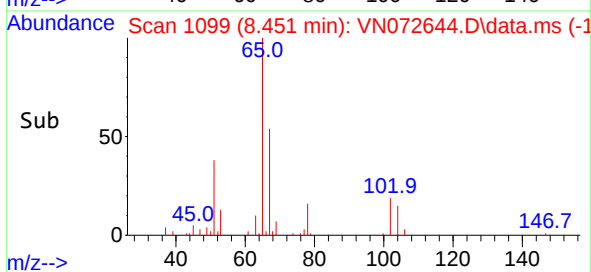
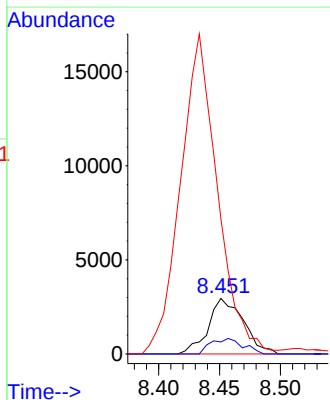
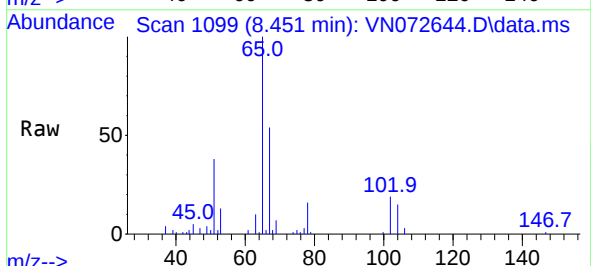
Manual Integrations
APPROVED

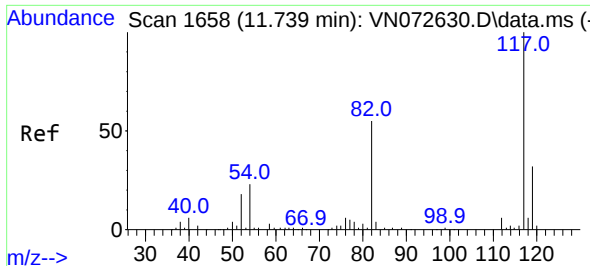
Reviewed By :John Carlone 05/27/2022
Supervised By :Mahesh Dadoda 05/27/2022



#34
Benzene
Concen: 0.576 ug/l
RT: 8.451 min Scan# 1099
Delta R.T. -0.006 min
Lab File: VN072644.D
Acq: 26 May 2022 21:54

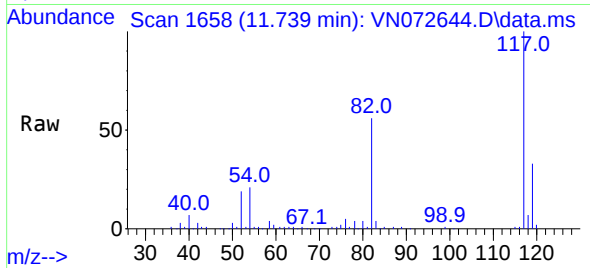
Tgt Ion: 78 Resp: 5929
Ion Ratio Lower Upper
78 100
77 21.6 19.1 28.7
51 236.2 16.0 24.0





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072644.D
Acq: 26 May 2022 21:54

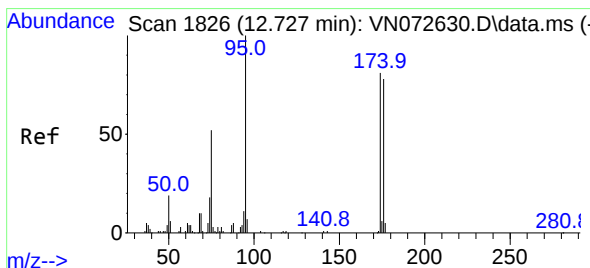
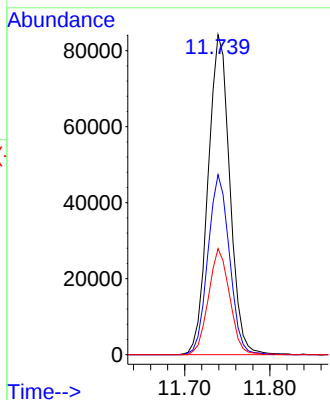
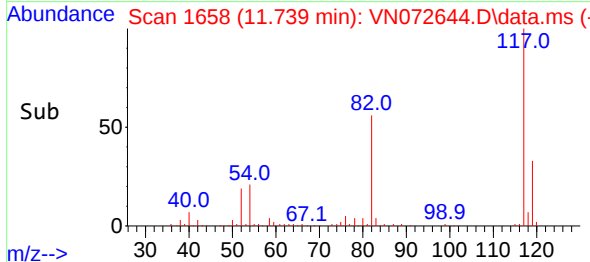
Instrument :
MSVOA_N
ClientSampleId :
220525033-02-VOA



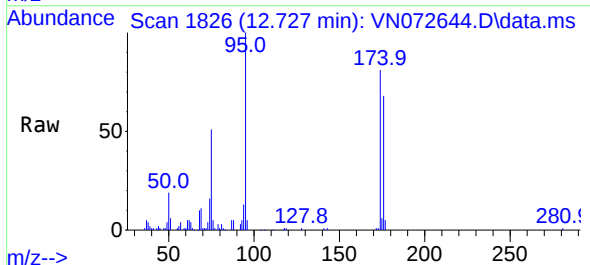
Tgt Ion: 117 Resp: 148900
Ion Ratio Lower Upper
117 100
82 55.9 43.6 65.4
119 32.2 25.8 38.6

Manual Integrations
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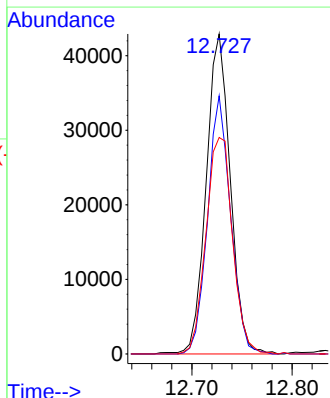
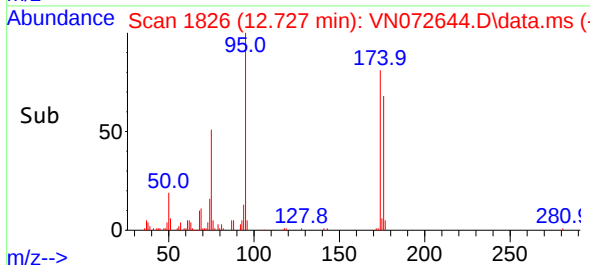
Reviewed By :John Carlone 05/27/2022
Supervised By :Mahesh Dadoda 05/27/2022

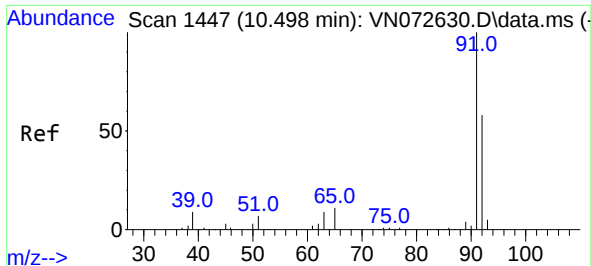


#60
4-Bromofluorobenzene
Concen: 27.302 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072644.D
Acq: 26 May 2022 21:54



Tgt Ion: 95 Resp: 71397
Ion Ratio Lower Upper
95 100
174 77.4 62.9 94.3
176 75.1 61.0 91.4





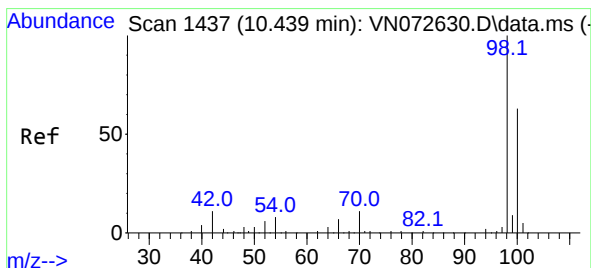
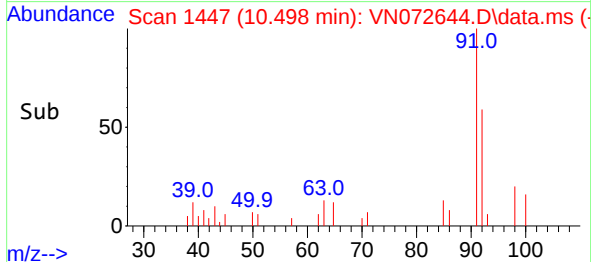
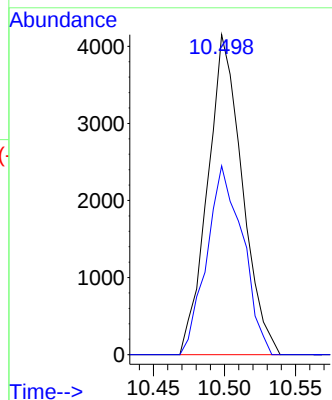
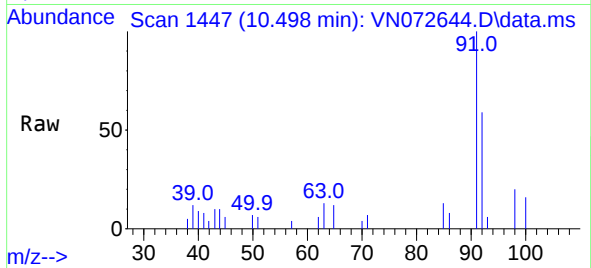
#62
Toluene
Concen: 0.671 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN072644.D
Acq: 26 May 2022 21:54

Instrument :
MSVOA_N
ClientSampleId :
220525033-02-VOA

Tgt Ion: 91 Resp: 7019
Ion Ratio Lower Upper
91 100
92 61.4 44.6 67.0

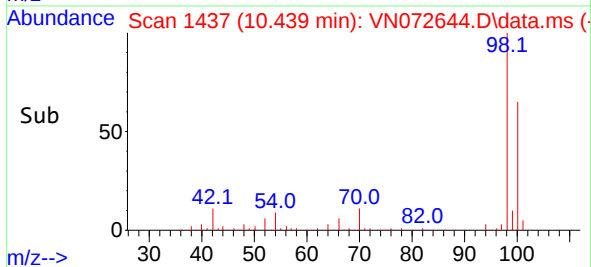
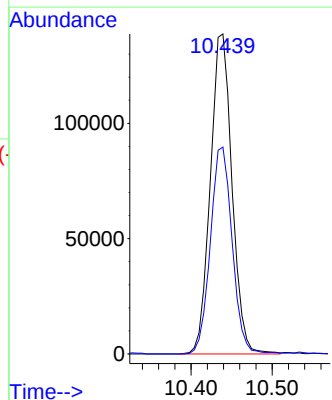
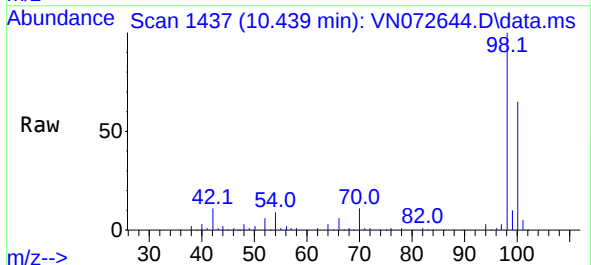
Manual Integrations
APPROVED

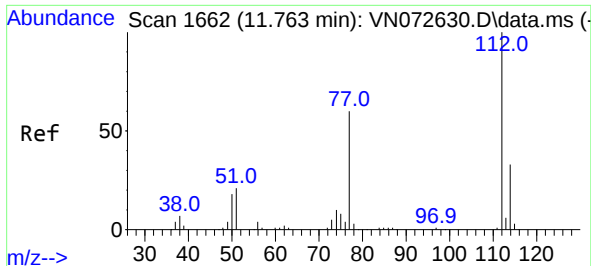
Reviewed By :John Carlone 05/27/2022
Supervised By :Mahesh Dadoda 05/27/2022



#63
Toluene-d8
Concen: 30.418 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072644.D
Acq: 26 May 2022 21:54

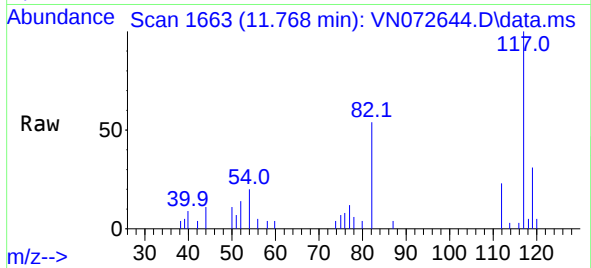
Tgt Ion: 98 Resp: 257545
Ion Ratio Lower Upper
98 100
100 64.7 50.6 76.0





#64
Chlorobenzene
Concen: 0.329 ug/l
RT: 11.768 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VN072644.D
Acq: 26 May 2022 21:54

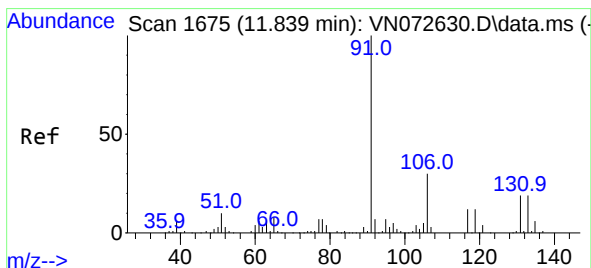
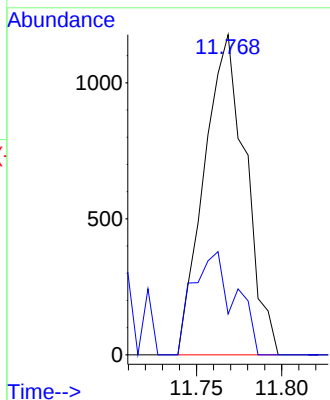
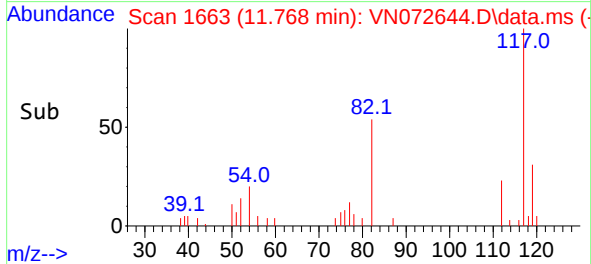
Instrument :
MSVOA_N
ClientSampleId :
220525033-02-VOA



Tgt Ion: 112 Resp: 1997
Ion Ratio Lower Upper
112 100
114 12.7 25.8 38.6

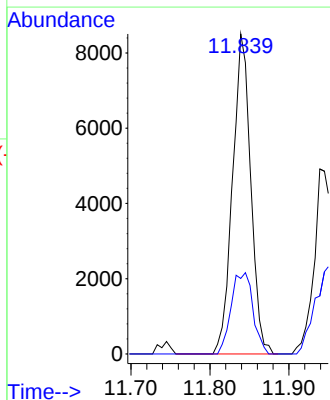
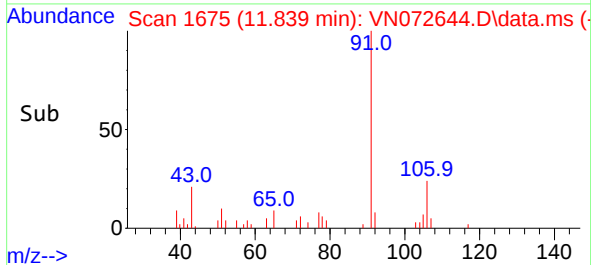
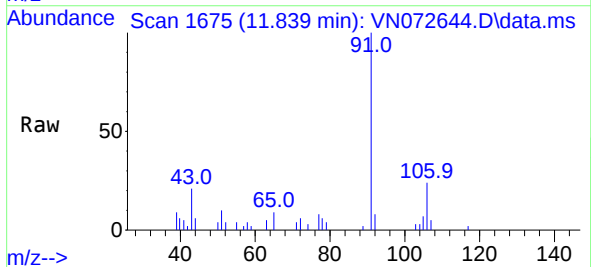
Manual Integrations
APPROVED

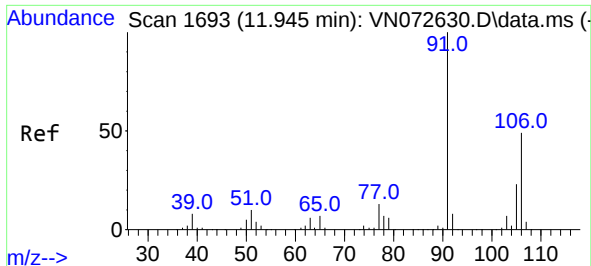
Reviewed By : John Carlone 05/27/2022
Supervised By : Mahesh Dadoda 05/27/2022



#66
Ethyl Benzene
Concen: 1.174 ug/l m
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072644.D
Acq: 26 May 2022 21:54

Tgt Ion: 91 Resp: 13540
Ion Ratio Lower Upper
91 100
106 23.6 24.0 36.0#





#67

m/p-Xylenes

Concen: 1.071 ug/l

RT: 11.951 min Scan# 1694

Delta R.T. 0.006 min

Lab File: VN072644.D

Acq: 26 May 2022 21:54

Instrument :

MSVOA_N

ClientSampleId :

220525033-02-VOA

Tgt Ion:106 Resp: 448

Ion Ratio Lower Upper

106 100

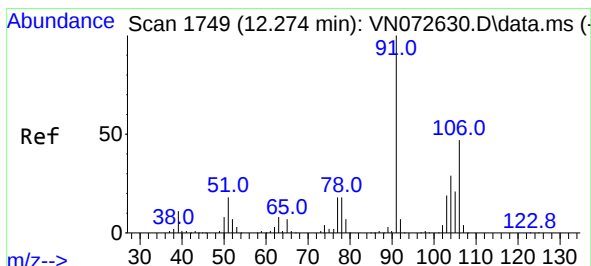
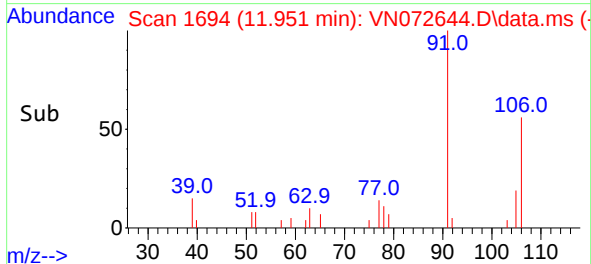
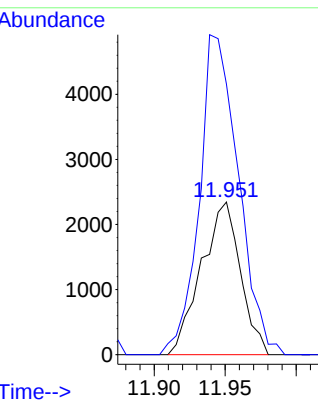
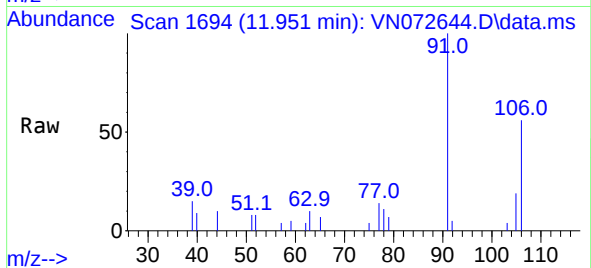
91 209.2 162.9 244.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/27/2022

Supervised By :Mahesh Dadoda 05/27/2022



#68

o-Xylene

Concen: 0.722 ug/l

RT: 12.274 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VN072644.D

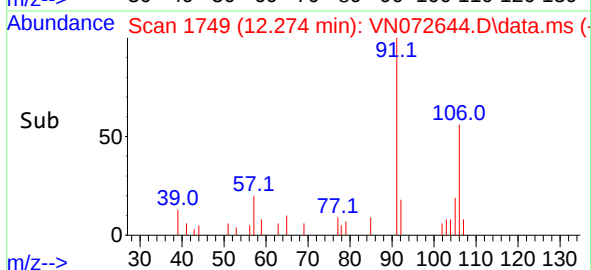
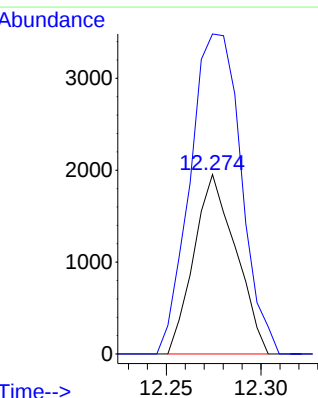
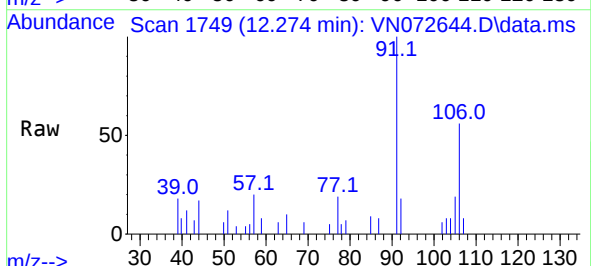
Acq: 26 May 2022 21:54

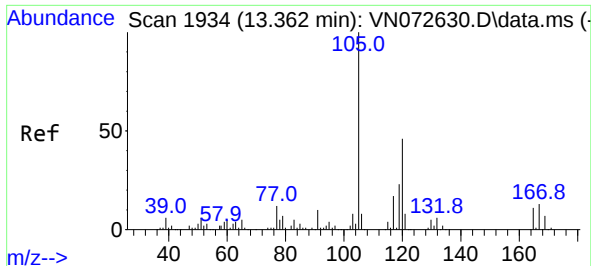
Tgt Ion:106 Resp: 3011

Ion Ratio Lower Upper

106 100

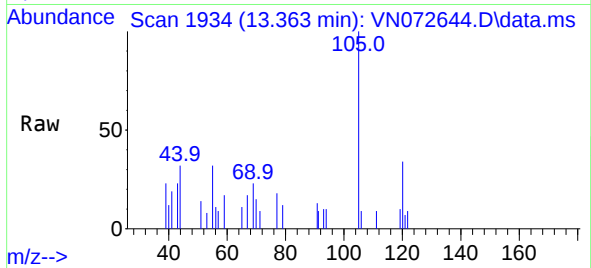
91 216.6 107.7 323.1





#80
1,2,4-Trimethylbenzene
Concen: 0.380 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. 0.000 min
Lab File: VN072644.D
Acq: 26 May 2022 21:54

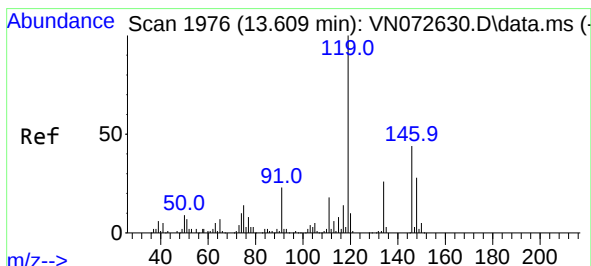
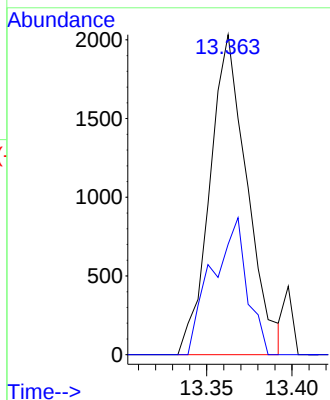
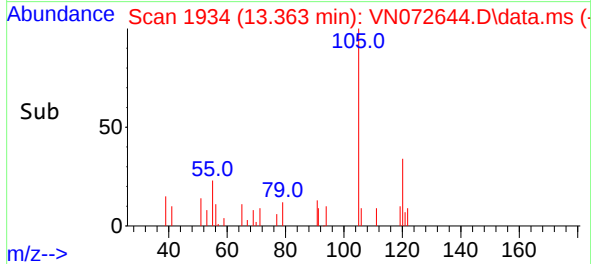
Instrument :
MSVOA_N
ClientSampleId :
220525033-02-VOA



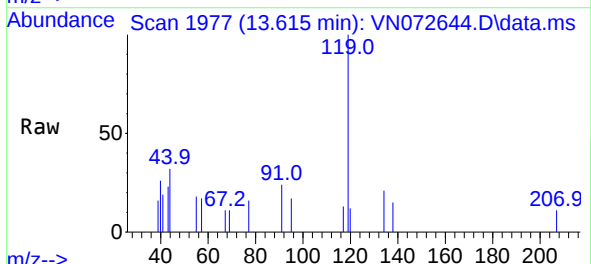
Tgt Ion:105 Resp: 3085
Ion Ratio Lower Upper
105 100
120 40.3 0.0 0.25

Manual Integrations
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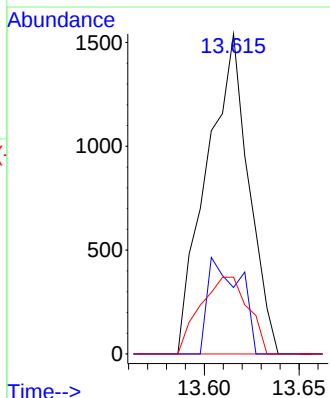
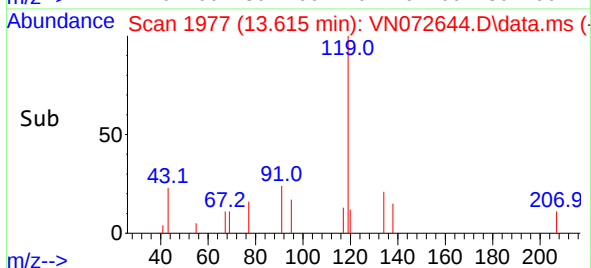
Reviewed By :John Carlone 05/27/2022
Supervised By :Mahesh Dadoda 05/27/2022

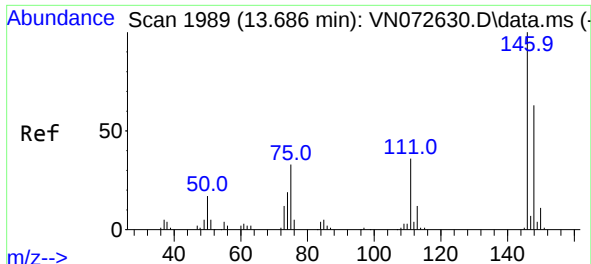


#82
p-Isopropyltoluene
Concen: 0.287 ug/l
RT: 13.615 min Scan# 1977
Delta R.T. 0.006 min
Lab File: VN072644.D
Acq: 26 May 2022 21:54



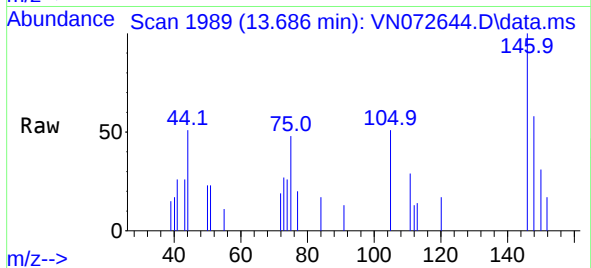
Tgt Ion:119 Resp: 2371
Ion Ratio Lower Upper
119 100
134 5.9 0.0 51.8
91 27.5 0.0 50.4





#84
1,4-Dichlorobenzene
Concen: 0.604 ug/l
RT: 13.686 min Scan# 1989
Delta R.T. 0.000 min
Lab File: VN072644.D
Acq: 26 May 2022 21:54

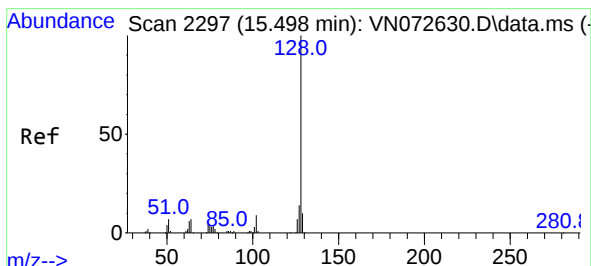
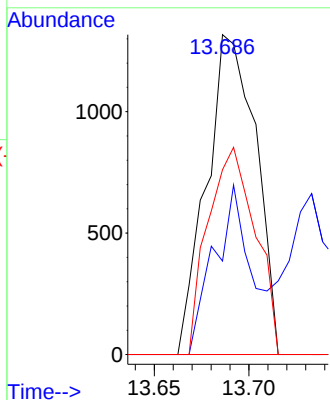
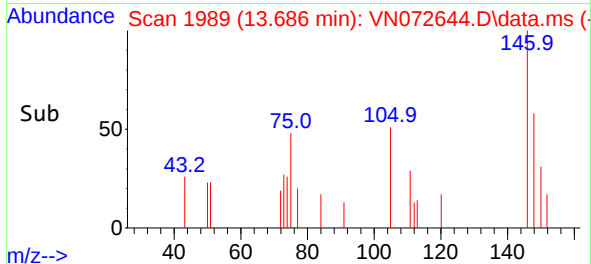
Instrument :
MSVOA_N
ClientSampleId :
220525033-02-VOA



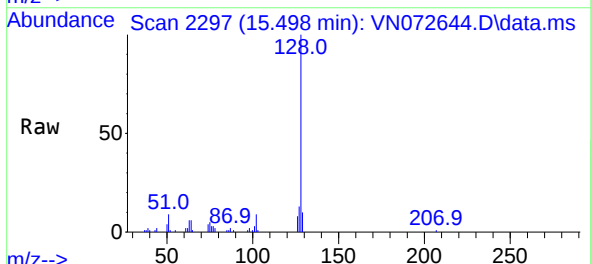
Tgt Ion:146 Resp: 2384
Ion Ratio Lower Upper
146 100
111 40.1 19.5 58.5
148 62.3 31.1 93.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/27/2022
Supervised By :Mahesh Dadoda 05/27/2022



#91
Naphthalene
Concen: 8.020 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. 0.000 min
Lab File: VN072644.D
Acq: 26 May 2022 21:54



Tgt Ion:128 Resp: 55712
Ion Ratio Lower Upper
128 100
127 13.1 10.7 16.1
129 11.4 9.0 13.6

