

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081622\
 Data File : VN073957.D
 Acq On : 16 Aug 2022 18:39
 Operator : JC\MD
 Sample : N4204-22
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Manual Integrations
 APPROVED

Reviewed By :John Carlone 08/17/2022
 Supervised By :Mahesh Dadoda 08/17/2022

Quant Time: Aug 17 01:19:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	636118	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	926209	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	856093	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	467908	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	296229	47.812	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.620%		
35) Dibromofluoromethane	7.951	113	290571	53.048	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	106.100%		
50) Toluene-d8	10.380	98	981568	46.270	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.540%		
62) 4-Bromofluorobenzene	12.674	95	399881	56.797	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	113.600%		
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.398	83	28632	3.003	ug/l #	79
67) Ethyl Benzene	11.786	91	398128	13.158	ug/l	98
68) m/p-Xylenes	11.898	106	122072	9.929	ug/l	98
69) o-Xylene	12.221	106	9203	0.746	ug/l	98
73) Isopropylbenzene	12.521	105	2439538	71.600	ug/l	99
78) n-propylbenzene	12.863	91	3742034	103.033	ug/l	98
80) 1,3,5-Trimethylbenzene	12.998	105	286541	10.339	ug/l	91
84) 1,2,4-Trimethylbenzene	13.310	105	5275319	190.618	ug/l	98
85) sec-Butylbenzene	13.445	105	334586	10.121	ug/l #	52
86) p-Isopropyltoluene	13.557	119	43560	1.547	ug/l #	76
89) n-Butylbenzene	13.880	91	197022m	8.833	ug/l	
95) Naphthalene	15.439	128	446475	13.624	ug/l	99

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

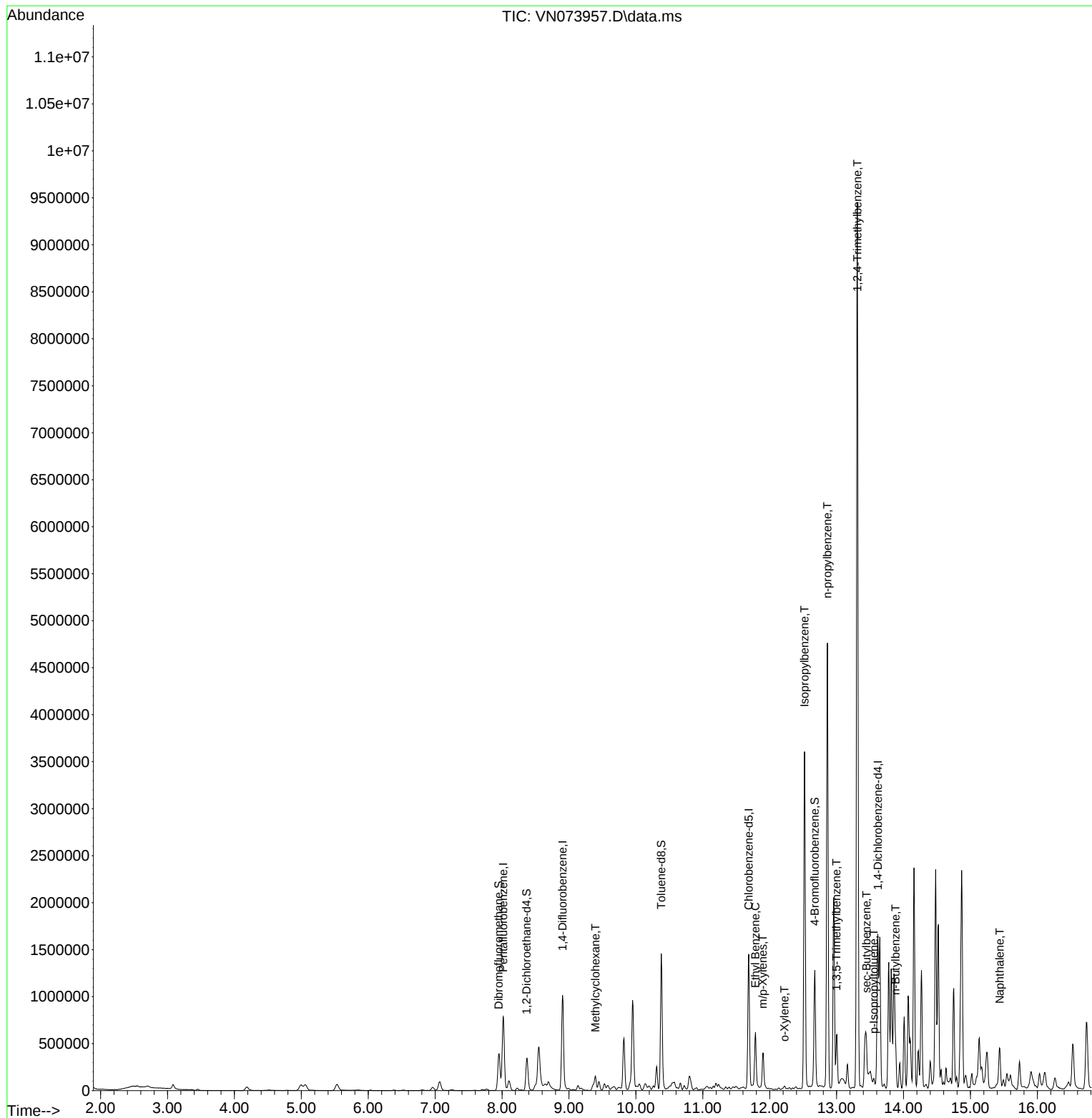
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081622\
Data File : VN073957.D
Acq On : 16 Aug 2022 18:39
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Misc : 5.0mL/MSVOA_N/WATER
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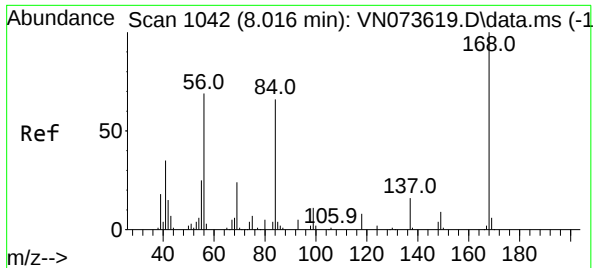
Instrument :
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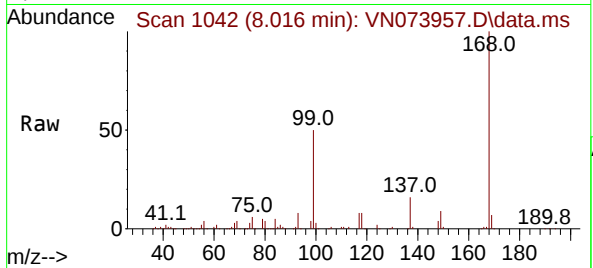
Quant Time: Aug 17 01:19:55 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 16 00:45:21 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073957.D
Acq: 16 Aug 2022 18:39

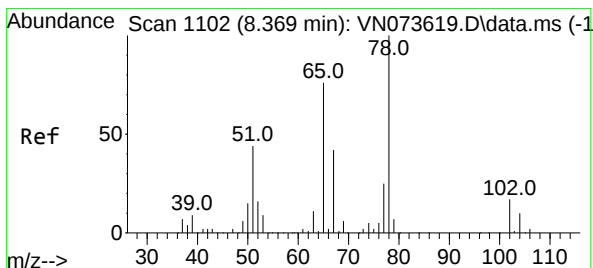
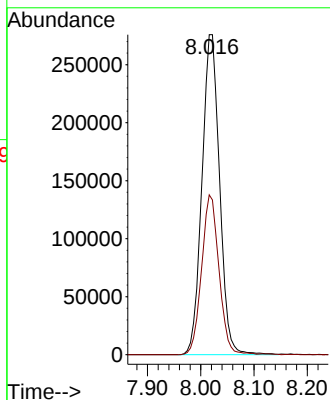
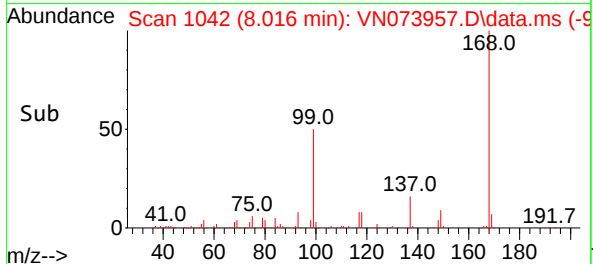
Instrument :
MSVOA_N
ClientSampleId :
MW-4



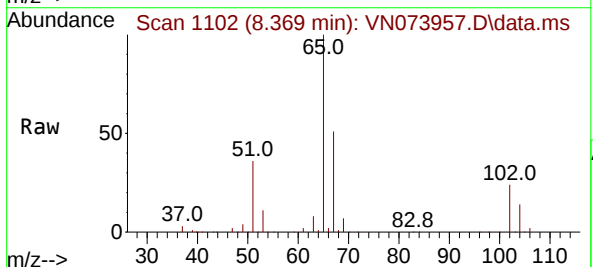
Tgt Ion:168 Resp: 636118
Ion Ratio Lower Upper
168 100
99 49.9 42.3 63.5

Manual Integrations
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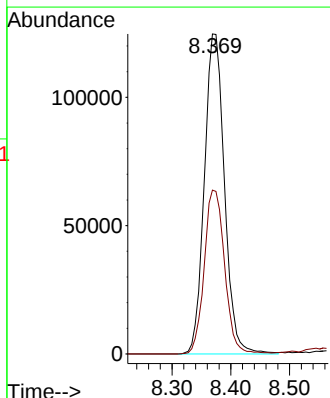
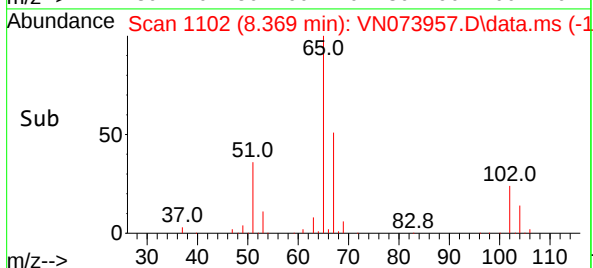
Reviewed By :John Carlone 08/17/2022
Supervised By :Mahesh Dadoda 08/17/2022

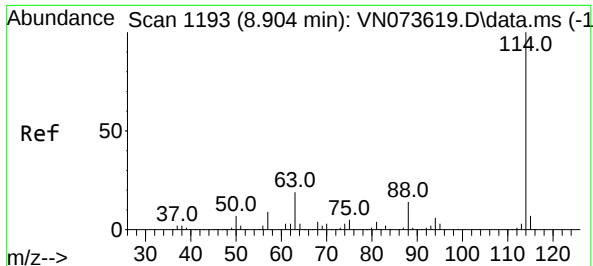


#33
1,2-Dichloroethane-d4
Concen: 47.812 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073957.D
Acq: 16 Aug 2022 18:39



Tgt Ion: 65 Resp: 296229
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN073957.D

Acq: 16 Aug 2022 18:39

Instrument :

MSVOA_N

ClientSampleId :

MW-4

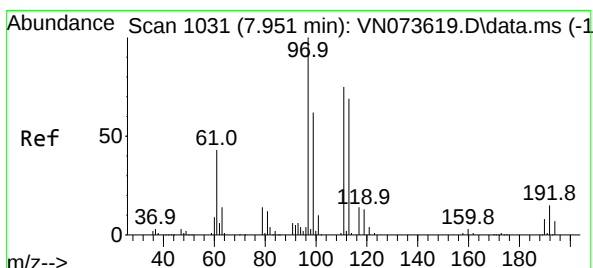
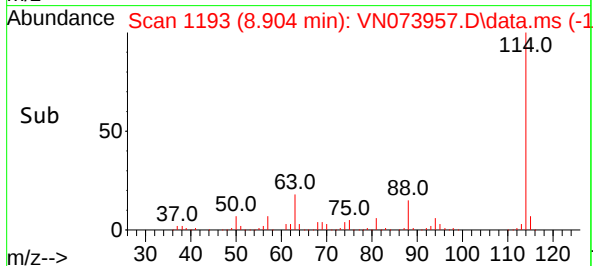
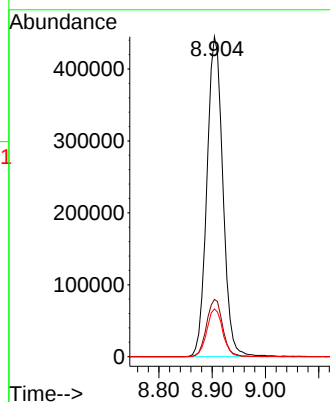
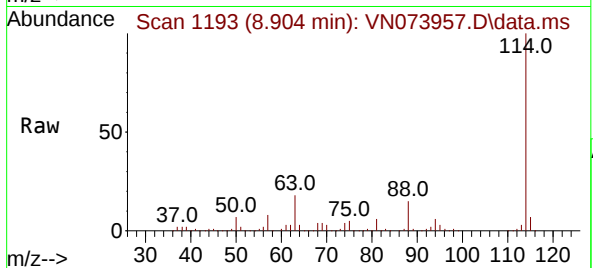
Tgt Ion:114	Resp:	926209
Ion Ratio	Lower	Upper
114	100	
63	17.9	0.0 40.0
88	14.9	0.0 32.6

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#35

Dibromofluoromethane

Concen: 53.048 ug/l

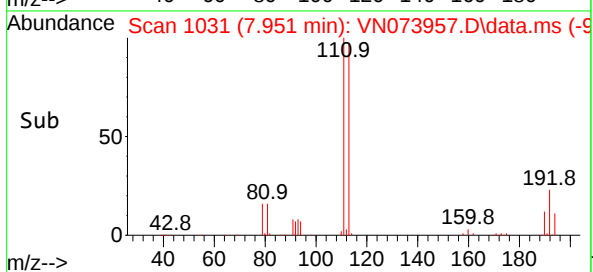
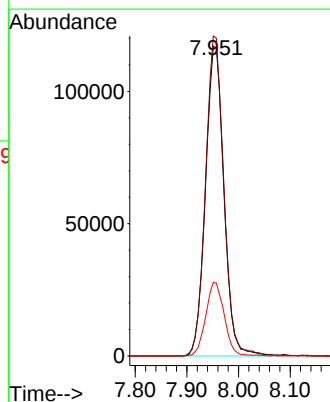
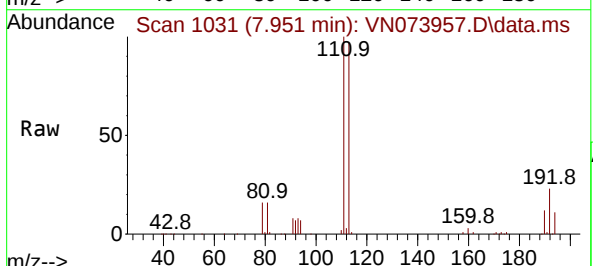
RT: 7.951 min Scan# 1031

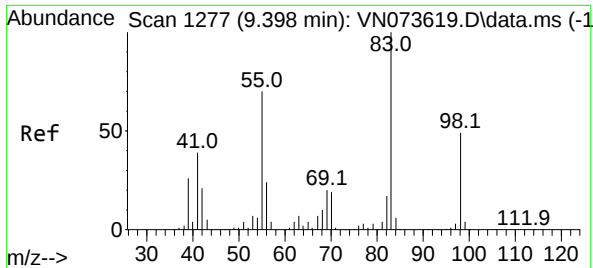
Delta R.T. 0.000 min

Lab File: VN073957.D

Acq: 16 Aug 2022 18:39

Tgt Ion:113	Resp:	290571
Ion Ratio	Lower	Upper
113	100	
111	102.7	81.4 122.0
192	23.9	17.0 25.6





#39

Methylcyclohexane

Concen: 3.003 ug/l

RT: 9.398 min Scan# 1277

Delta R.T. 0.000 min

Lab File: VN073957.D

Acq: 16 Aug 2022 18:39

Instrument :

MSVOA_N

ClientSampleId :

MW-4

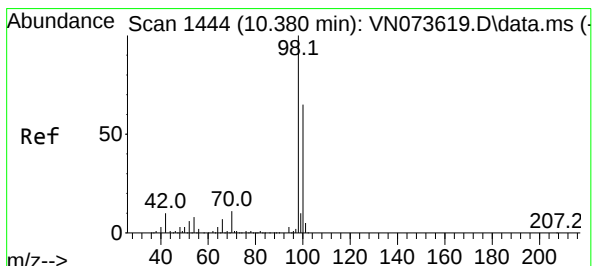
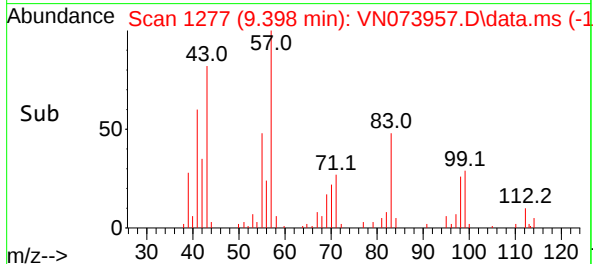
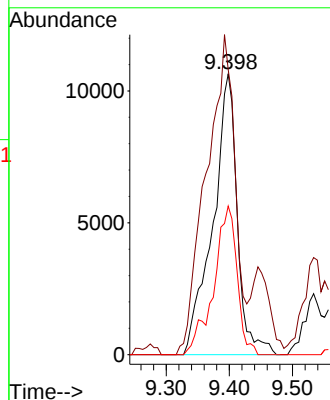
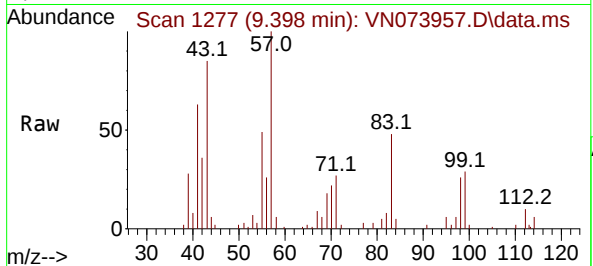
Tgt Ion: 83	Resp: 2863
Ion Ratio	Lower Upper
83	100
55	98.6 57.8 86.8
98	52.9 39.4 59.2

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#50

Toluene-d8

Concen: 46.270 ug/l

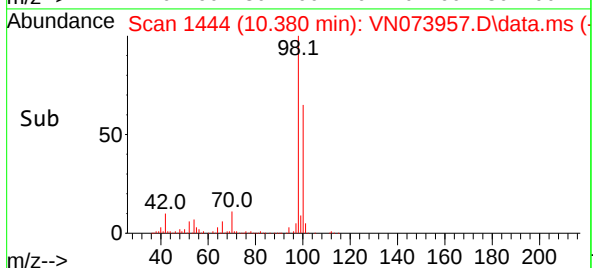
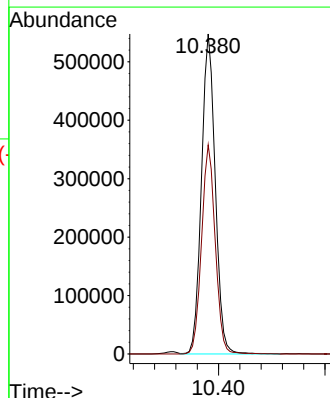
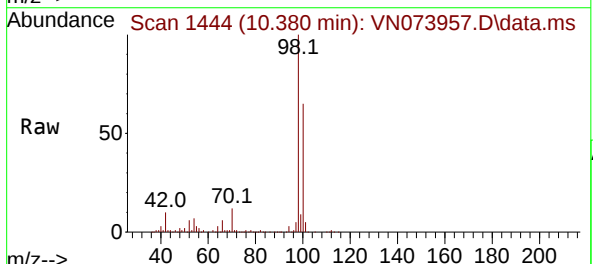
RT: 10.380 min Scan# 1444

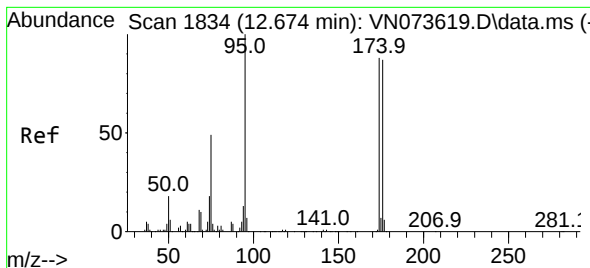
Delta R.T. 0.000 min

Lab File: VN073957.D

Acq: 16 Aug 2022 18:39

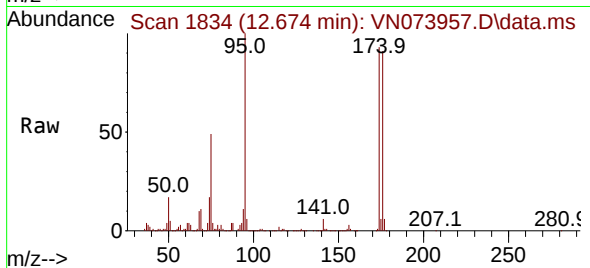
Tgt Ion: 98	Resp: 981568
Ion Ratio	Lower Upper
98	100
100	64.8 52.6 78.8





#62
4-Bromofluorobenzene
Concen: 56.797 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073957.D
Acq: 16 Aug 2022 18:39

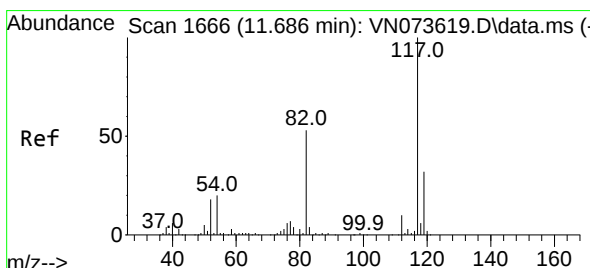
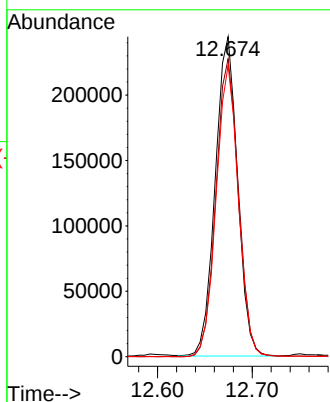
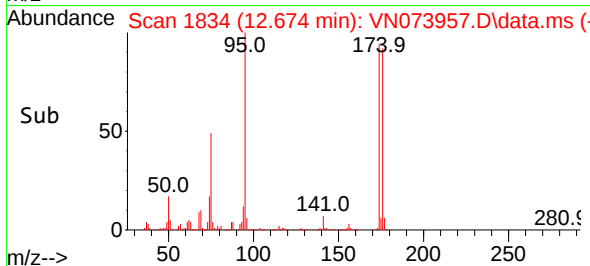
Instrument :
MSVOA_N
ClientSampleId :
MW-4



Tgt Ion: 95 Resp: 39988
Ion Ratio Lower Upper
95 100
174 94.4 0.0 167.6
176 90.7 0.0 163.4

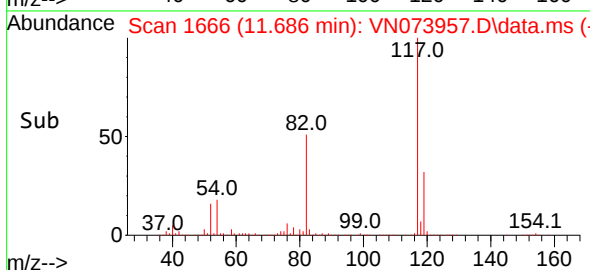
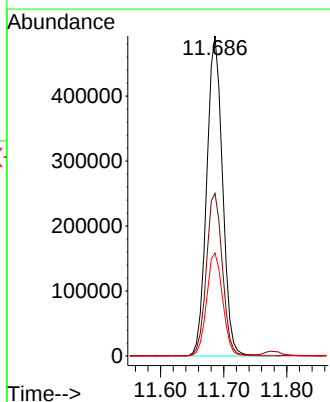
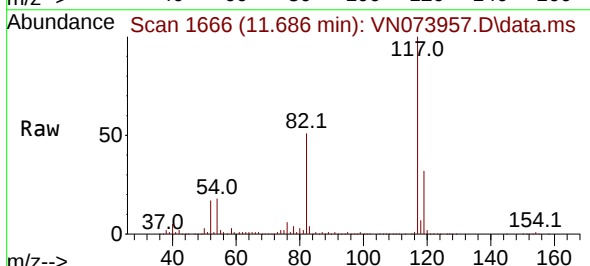
Manual Integrations
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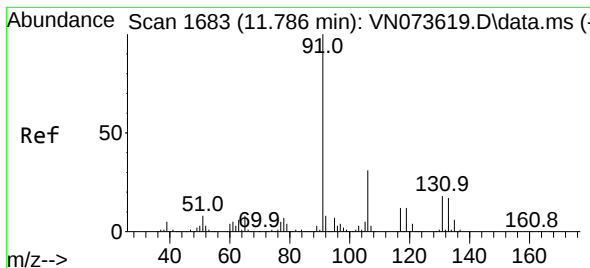
Reviewed By :John Carlone 08/17/2022
Supervised By :Mahesh Dadoda 08/17/2022



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073957.D
Acq: 16 Aug 2022 18:39

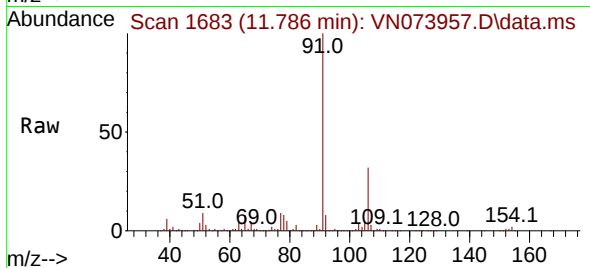
Tgt Ion:117 Resp: 856093
Ion Ratio Lower Upper
117 100
82 50.7 44.2 66.2
119 32.2 25.4 38.0





#67
Ethyl Benzene
Concen: 13.158 ug/l
RT: 11.786 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VN073957.D
Acq: 16 Aug 2022 18:39

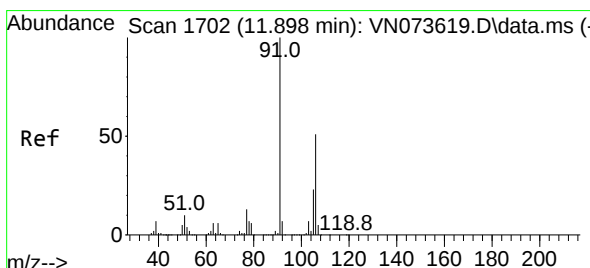
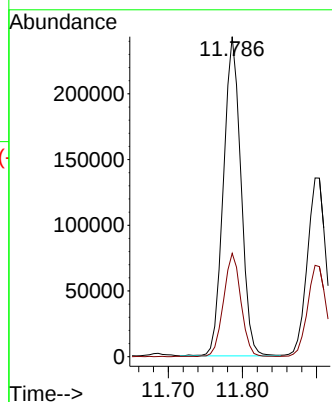
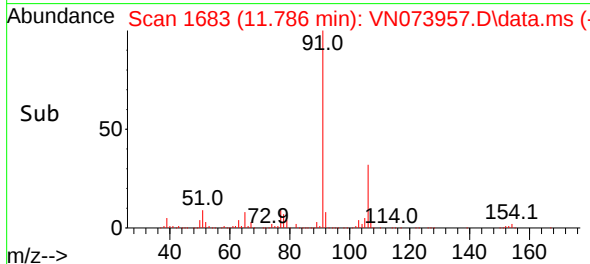
Instrument :
MSVOA_N
ClientSampleId :
MW-4



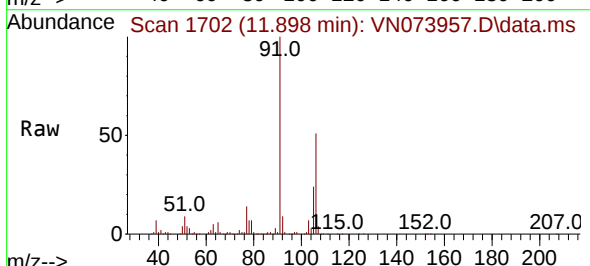
Tgt Ion: 91 Resp: 398128
Ion Ratio Lower Upper
91 100
106 32.3 24.9 37.3

Manual Integrations
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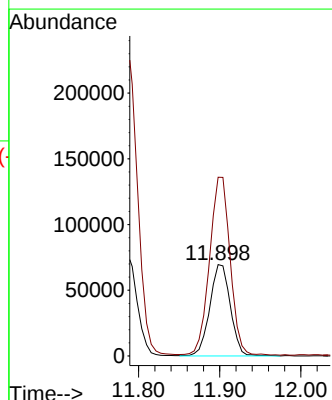
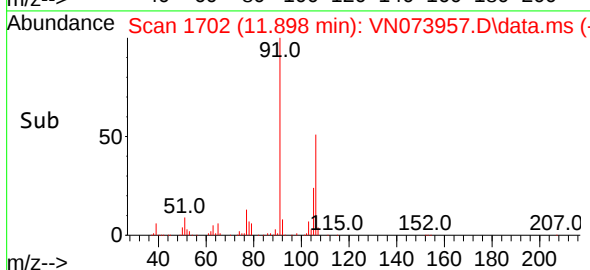
Reviewed By :John Carlone 08/17/2022
Supervised By :Mahesh Dadoda 08/17/2022

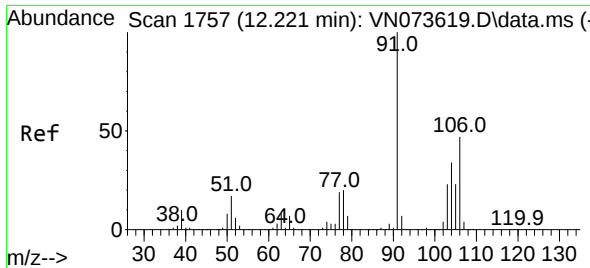


#68
m/p-Xylenes
Concen: 9.929 ug/l
RT: 11.898 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN073957.D
Acq: 16 Aug 2022 18:39



Tgt Ion:106 Resp: 122072
Ion Ratio Lower Upper
106 100
91 194.8 158.9 238.3





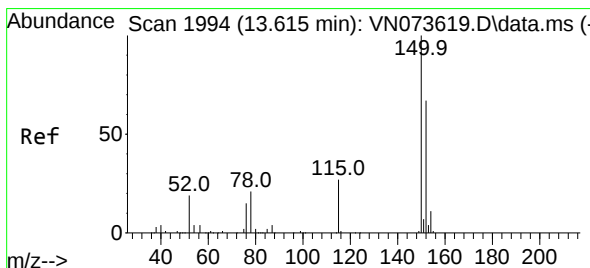
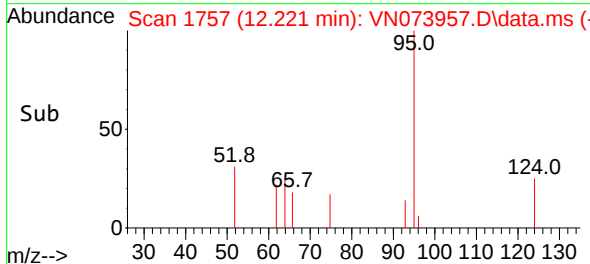
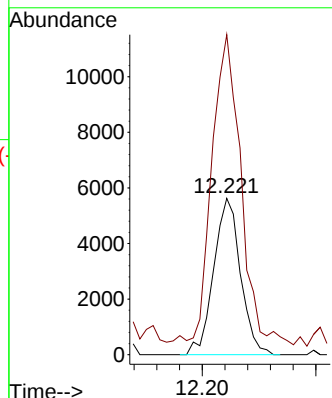
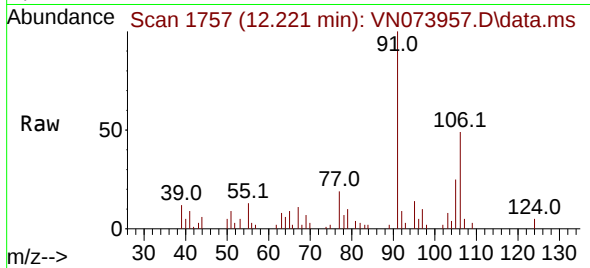
#69
o-Xylene
Concen: 0.746 ug/l
RT: 12.221 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073957.D
Acq: 16 Aug 2022 18:39

Instrument :
MSVOA_N
ClientSampleId :
MW-4

Tgt Ion:106 Resp: 920
Ion Ratio Lower Upper
106 100
91 215.4 106.0 318.0

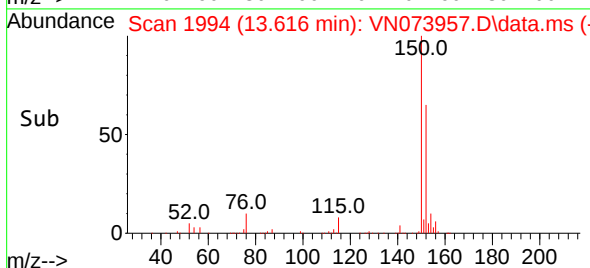
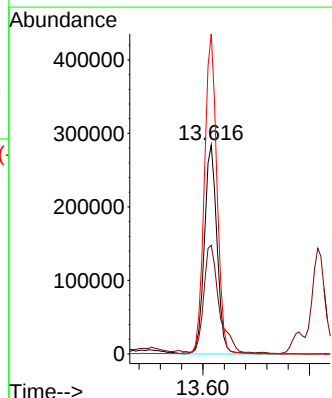
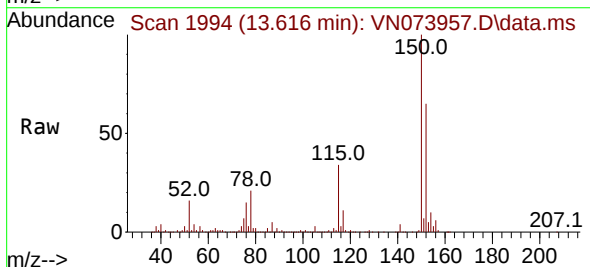
Manual Integrations
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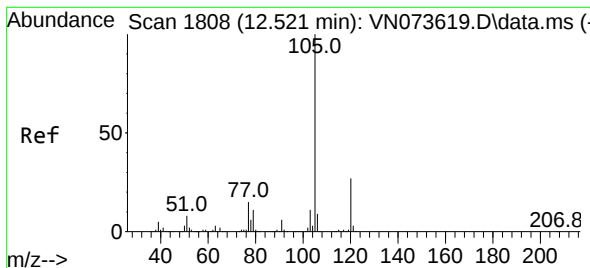
Reviewed By :John Carlone 08/17/2022
Supervised By :Mahesh Dadoda 08/17/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN073957.D
Acq: 16 Aug 2022 18:39

Tgt Ion:152 Resp: 467908
Ion Ratio Lower Upper
152 100
115 61.7 28.9 86.7
150 151.2 0.0 356.2





#73

Isopropylbenzene

Concen: 71.600 ug/l

RT: 12.521 min Scan# 1808

Delta R.T. 0.000 min

Lab File: VN073957.D

Acq: 16 Aug 2022 18:39

Instrument :

MSVOA_N

ClientSampleId :

MW-4

Tgt Ion:105 Resp: 2439538

Ion Ratio Lower Upper

105 100

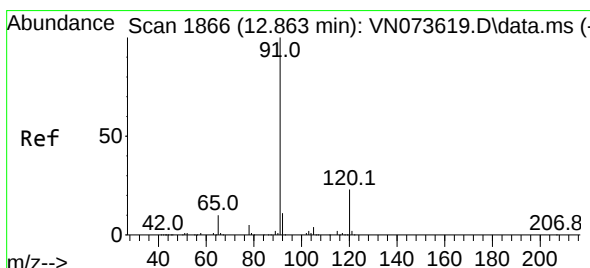
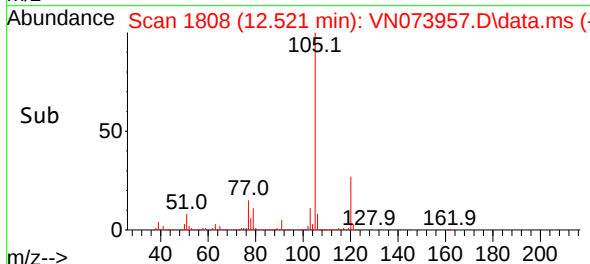
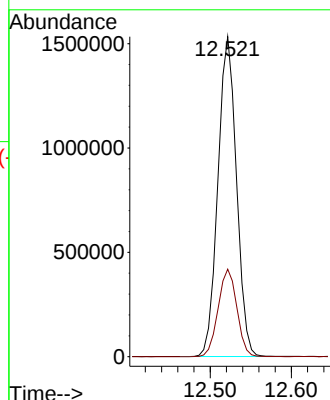
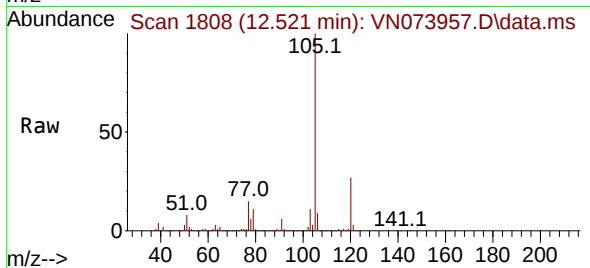
120 27.6 13.5 40.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/17/2022

Supervised By :Mahesh Dadoda 08/17/2022



#78

n-propylbenzene

Concen: 103.033 ug/l

RT: 12.863 min Scan# 1866

Delta R.T. -0.000 min

Lab File: VN073957.D

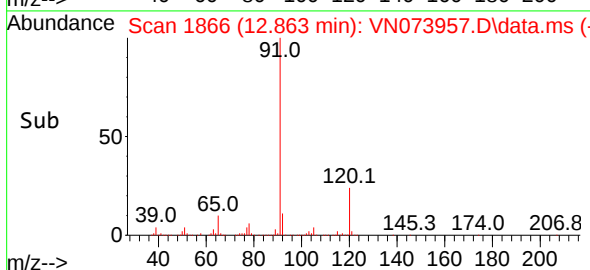
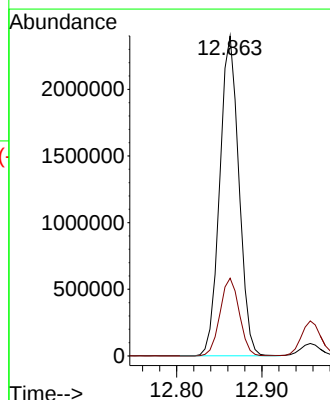
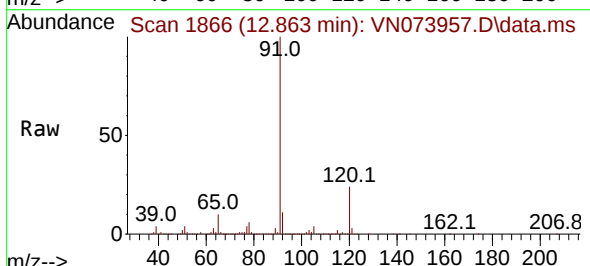
Acq: 16 Aug 2022 18:39

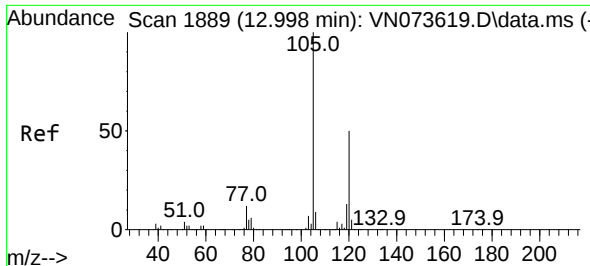
Tgt Ion: 91 Resp: 3742034

Ion Ratio Lower Upper

91 100

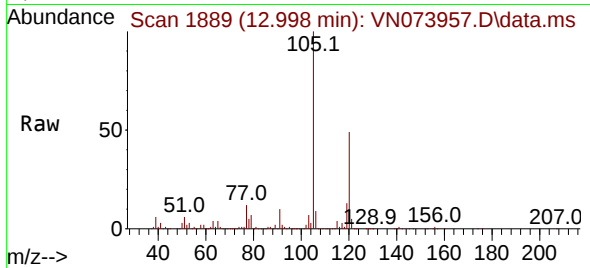
120 24.5 11.9 35.5





#80
1,3,5-Trimethylbenzene
Concen: 10.339 ug/l
RT: 12.998 min Scan# 1889
Delta R.T. -0.000 min
Lab File: VN073957.D
Acq: 16 Aug 2022 18:39

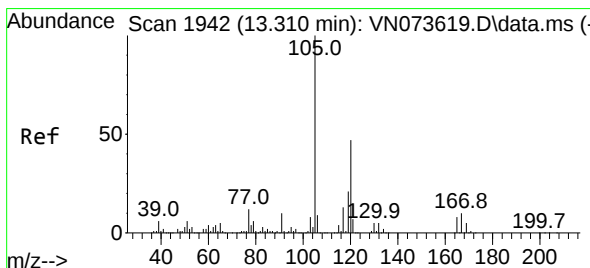
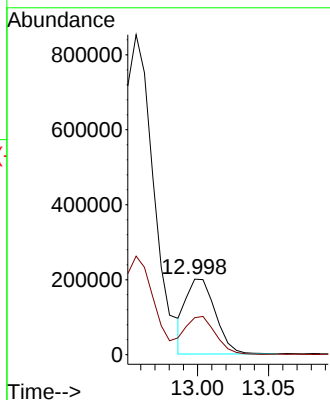
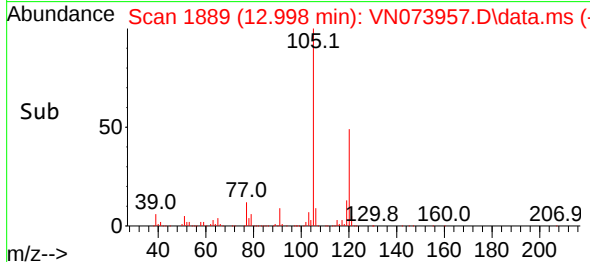
Instrument :
MSVOA_N
ClientSampleId :
MW-4



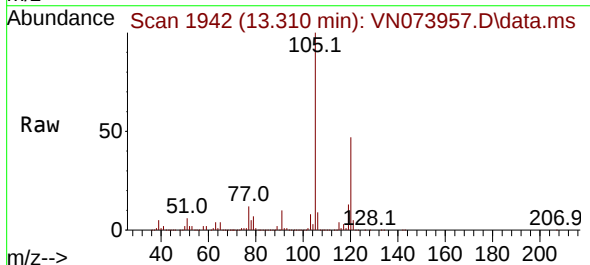
Tgt Ion:105 Resp: 28654
Ion Ratio Lower Upper
105 100
120 55.8 24.9 74.7

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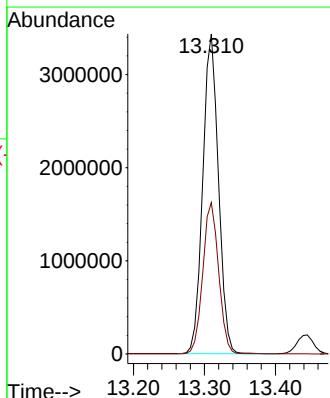
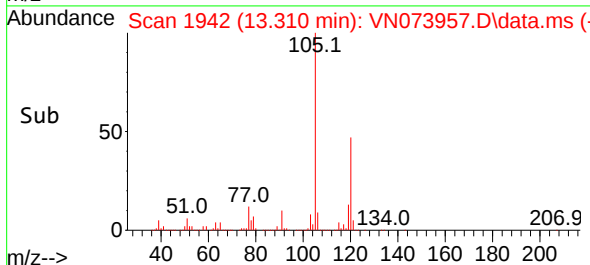
Reviewed By :John Carlone 08/17/2022
Supervised By :Mahesh Dadoda 08/17/2022

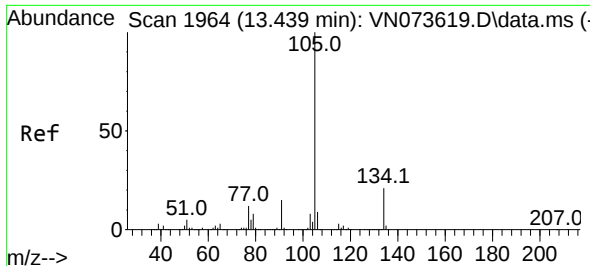


#84
1,2,4-Trimethylbenzene
Concen: 190.618 ug/l
RT: 13.310 min Scan# 1942
Delta R.T. -0.000 min
Lab File: VN073957.D
Acq: 16 Aug 2022 18:39



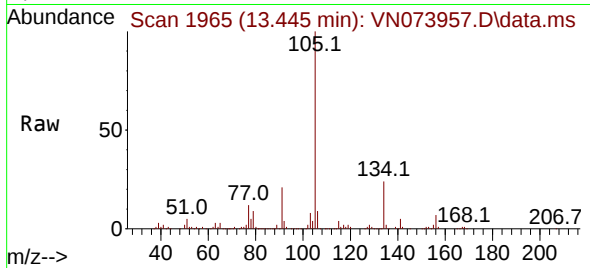
Tgt Ion:105 Resp: 5275319
Ion Ratio Lower Upper
105 100
120 47.8 23.3 69.8





#85
 sec-Butylbenzene
 Concen: 10.121 ug/l
 RT: 13.445 min Scan# 1965
 Delta R.T. 0.006 min
 Lab File: VN073957.D
 Acq: 16 Aug 2022 18:39

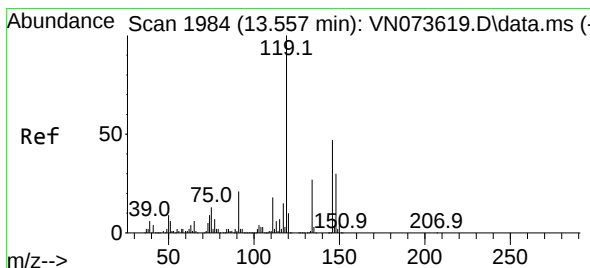
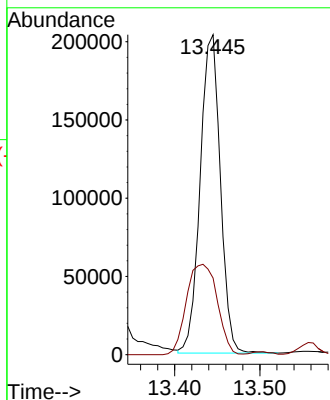
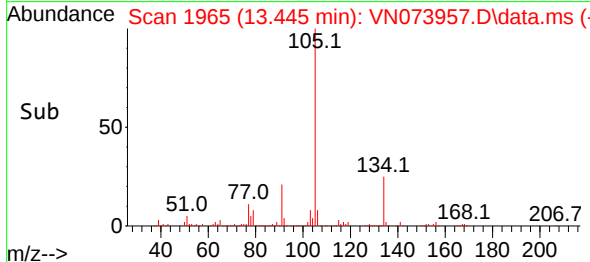
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4



Tgt Ion:105 Resp: 334580
 Ion Ratio Lower Upper
 105 100
 134 43.2 10.4 31.1

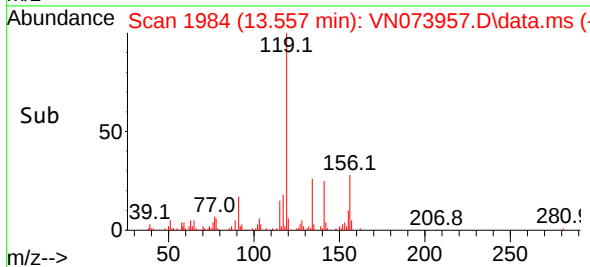
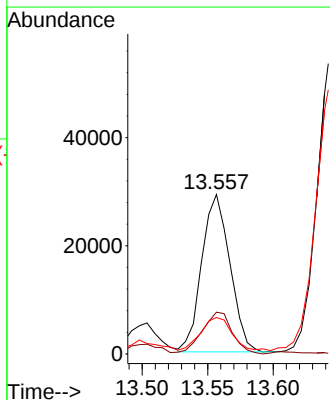
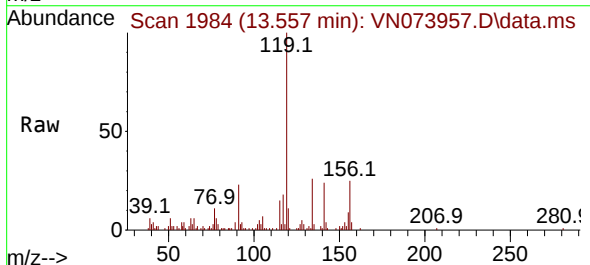
Manual Integrations
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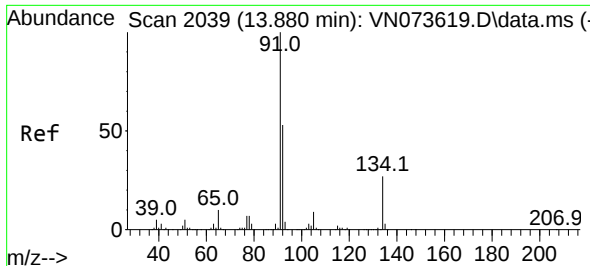
Reviewed By :John Carlone 08/17/2022
 Supervised By :Mahesh Dadoda 08/17/2022



#86
 p-Isopropyltoluene
 Concen: 1.547 ug/l
 RT: 13.557 min Scan# 1984
 Delta R.T. -0.000 min
 Lab File: VN073957.D
 Acq: 16 Aug 2022 18:39

Tgt Ion:119 Resp: 43560
 Ion Ratio Lower Upper
 119 100
 134 28.6 13.3 39.8
 91 0.0 11.3 33.9





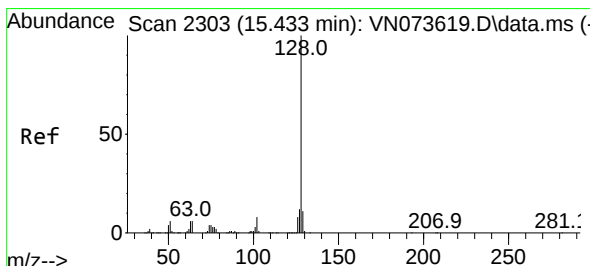
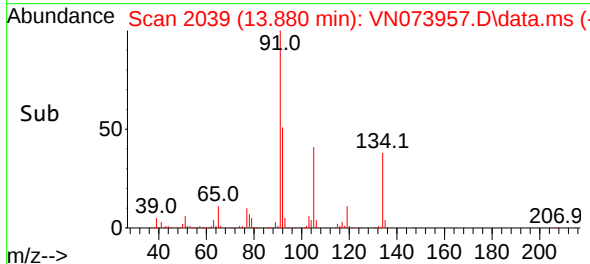
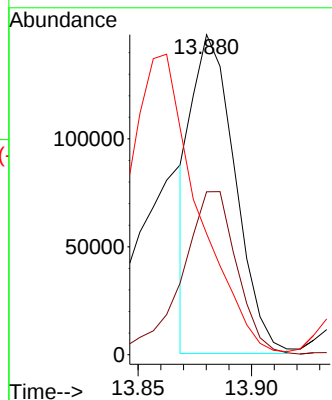
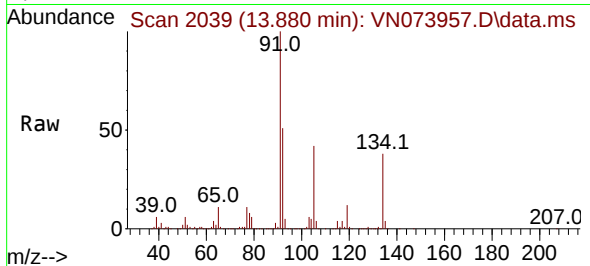
#89
n-Butylbenzene
Concen: 8.833 ug/l m
RT: 13.880 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VN073957.D
Acq: 16 Aug 2022 18:39

Instrument :
MSVOA_N
ClientSampleId :
MW-4

Tgt Ion: 91 Resp: 197022
Ion Ratio Lower Upper
91 100
92 64.8 26.9 80.7
134 0.0 13.6 40.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/17/2022
Supervised By :Mahesh Dadoda 08/17/2022



#95
Naphthalene
Concen: 13.624 ug/l
RT: 15.439 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN073957.D
Acq: 16 Aug 2022 18:39

Tgt Ion:128 Resp: 446475
Ion Ratio Lower Upper
128 100
127 12.3 10.3 15.5
129 10.3 8.6 13.0

