

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081622\
 Data File : VN073956.D
 Acq On : 16 Aug 2022 18:15
 Operator : JC\MD
 Sample : N4204-21
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-10

Manual Integrations
 APPROVED

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

Quant Time: Aug 17 01:19:21 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	611668	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	882129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	865536	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	565551	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	280605	47.100	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.200%		
35) Dibromofluoromethane	7.951	113	274781	52.672	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.340%		
50) Toluene-d8	10.381	98	953192	47.178	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.360%		
62) 4-Bromofluorobenzene	12.675	95	424666	63.332	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	126.660%#		
Target Compounds						
						Qvalue
25) 2-Butanone	7.251	43	85002	19.073	ug/l #	64
31) Cyclohexane	8.022	56	913525	109.995	ug/l #	95
39) Methylcyclohexane	9.398	83	983640	108.339	ug/l	97
40) Benzene	8.398	78	21101	0.923	ug/l #	82
52) Toluene	10.445	92	82935	5.289	ug/l	99
67) Ethyl Benzene	11.786	91	15576680	509.186	ug/l #	83
68) m/p-Xylenes	11.904	106	11770193	946.954	ug/l #	72
69) o-Xylene	12.222	106	418504	33.576	ug/l	100
73) Isopropylbenzene	12.510	105	19360070m	470.114	ug/l	
78) n-propylbenzene	12.851	91	19555648m	445.482	ug/l	
80) 1,3,5-Trimethylbenzene	12.992	105	19051134m	568.749	ug/l	
84) 1,2,4-Trimethylbenzene	13.298	105	27350962m	817.665	ug/l	
85) sec-Butylbenzene	13.445	105	775221	19.402	ug/l #	61
86) p-Isopropyltoluene	13.557	119	221227m	6.499	ug/l	
89) n-Butylbenzene	13.880	91	582137	21.592	ug/l #	74
95) Naphthalene	15.433	128	17414331	439.654	ug/l	96

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

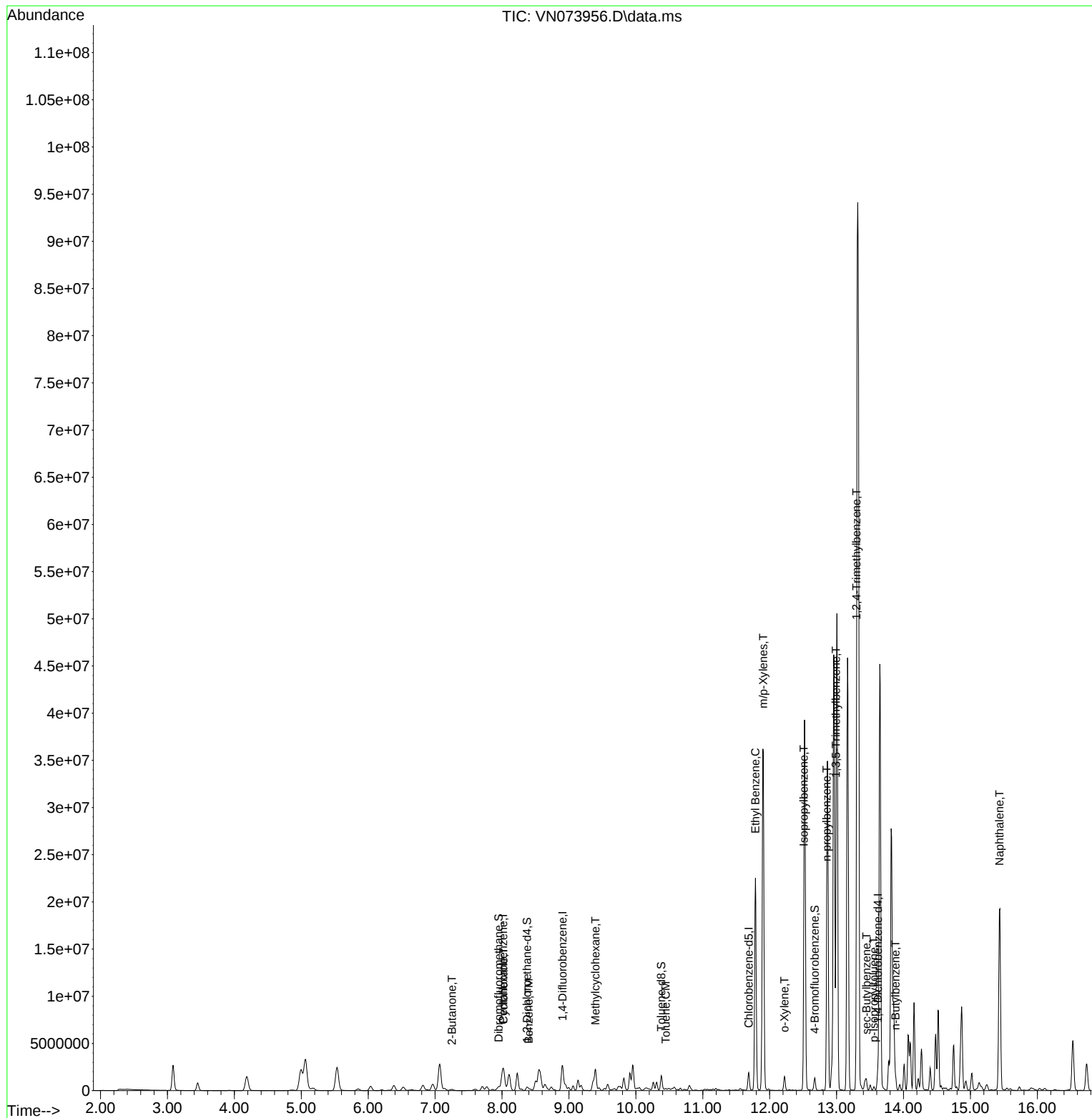
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081622\
Data File : VN073956.D
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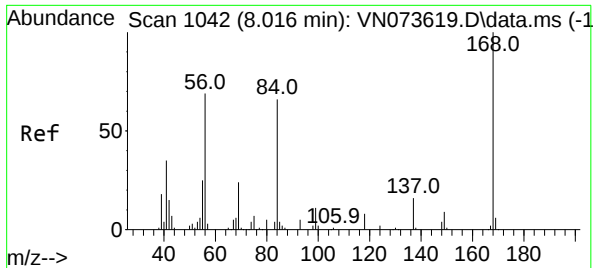
Instrument :
MSVOA_N
ClientSampleId :
MW-10

Quant Time: Aug 17 01:19:21 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

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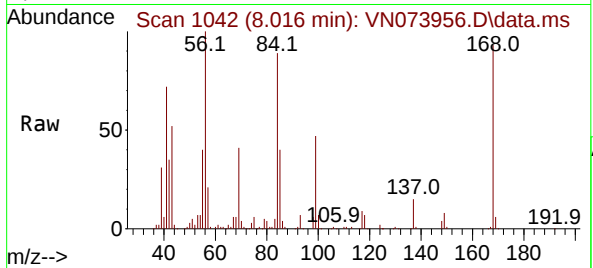
Reviewed By :John Carlone 08/17/2022
Supervised By :Mahesh Dadoda 08/17/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073956.D
Acq: 16 Aug 2022 18:15

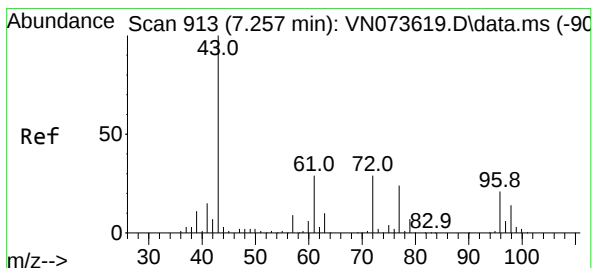
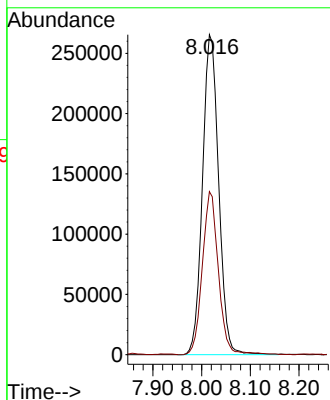
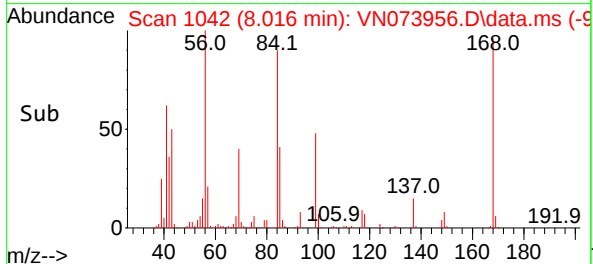
Instrument :
MSVOA_N
ClientSampleId :
MW-10



Tgt Ion:168 Resp: 611668
Ion Ratio Lower Upper
168 100
99 50.9 42.3 63.5

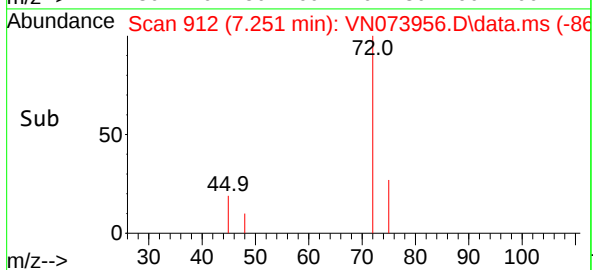
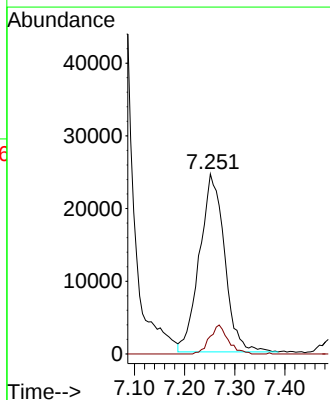
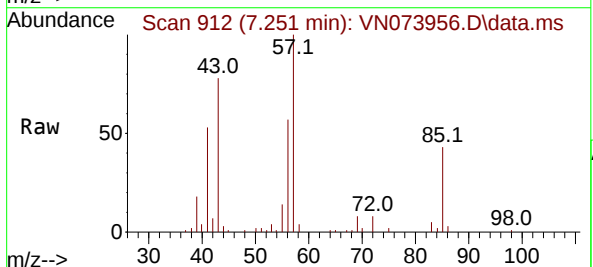
Manual Integrations
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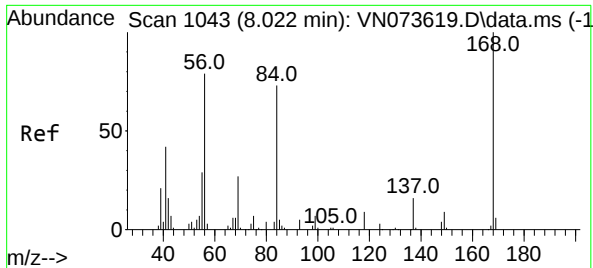
Reviewed By :John Carlone 08/17/2022
Supervised By :Mahesh Dadoda 08/17/2022



#25
2-Butanone
Concen: 19.073 ug/l
RT: 7.251 min Scan# 912
Delta R.T. -0.006 min
Lab File: VN073956.D
Acq: 16 Aug 2022 18:15

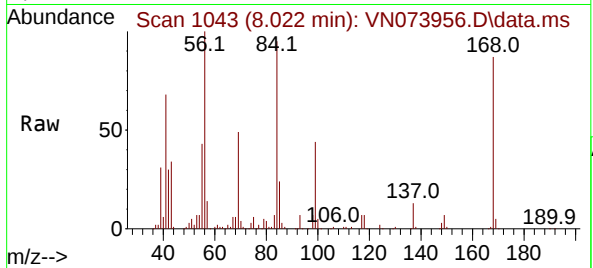
Tgt Ion: 43 Resp: 85002
Ion Ratio Lower Upper
43 100
72 10.0 23.7 35.5#





#31
Cyclohexane
Concen: 109.995 ug/l
RT: 8.022 min Scan# 1103
Delta R.T. -0.000 min
Lab File: VN073956.D
Acq: 16 Aug 2022 18:15

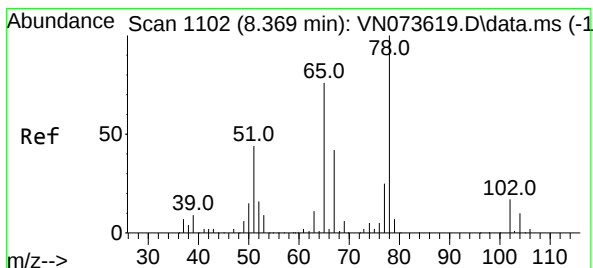
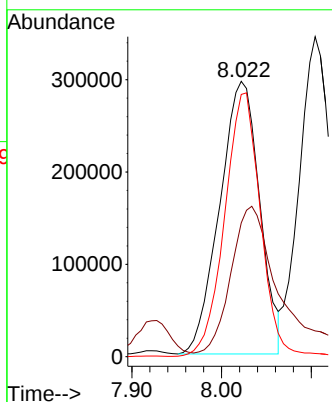
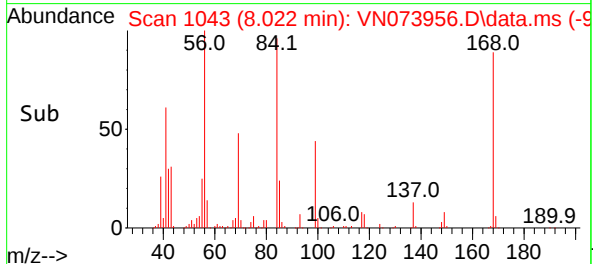
Instrument :
MSVOA_N
ClientSampleId :
MW-10



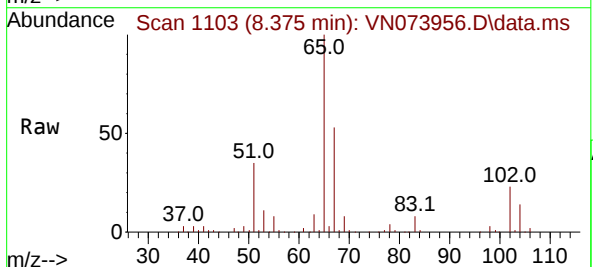
Tgt Ion: 56 Resp: 91352
Ion Ratio Lower Upper
56 100
69 45.1 27.8 41.8
84 96.0 76.9 115.3

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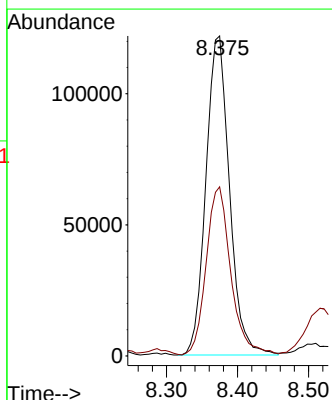
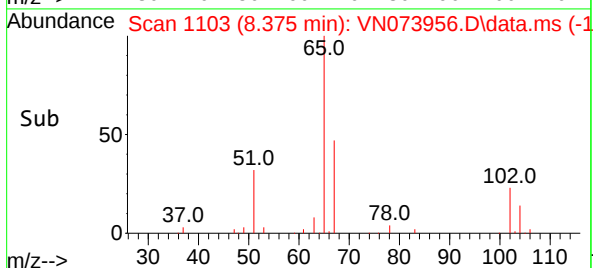
Reviewed By :John Carlone 08/17/2022
Supervised By :Mahesh Dadoda 08/17/2022

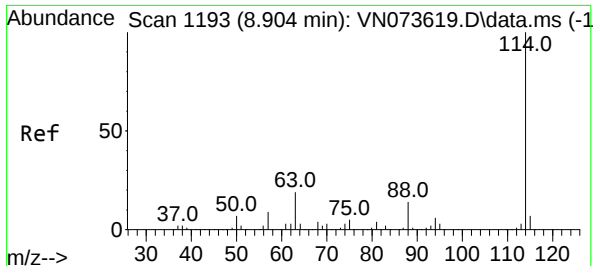


#33
1,2-Dichloroethane-d4
Concen: 47.100 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN073956.D
Acq: 16 Aug 2022 18:15



Tgt Ion: 65 Resp: 280605
Ion Ratio Lower Upper
65 100
67 55.0 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: VN073956.D

Acq: 16 Aug 2022 18:15

Instrument :

MSVOA_N

ClientSampleId :

MW-10

Tgt Ion:114 Resp: 882129

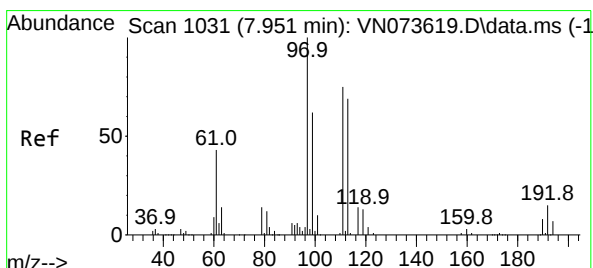
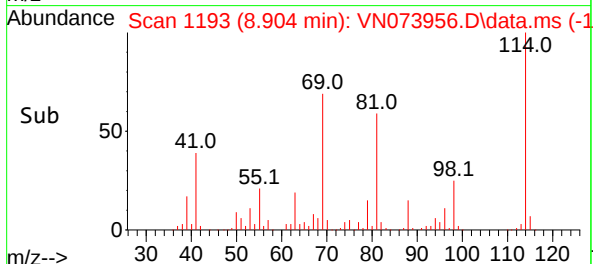
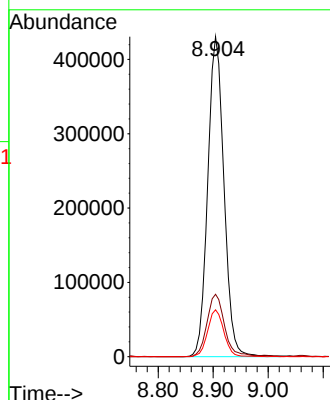
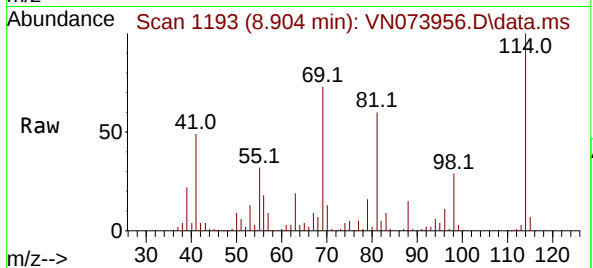
Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	40.0
88	14.6	0.0	32.6

Manual Integrations

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Supervised By :Mahesh Dadoda 08/17/2022



#35

Dibromofluoromethane

Concen: 52.672 ug/l

RT: 7.951 min Scan# 1031

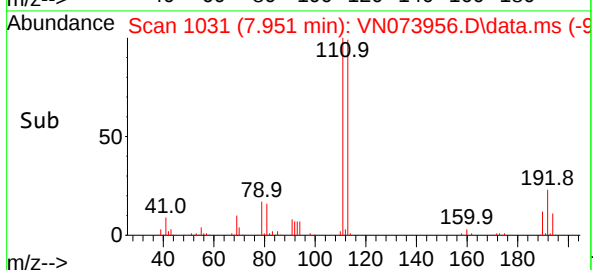
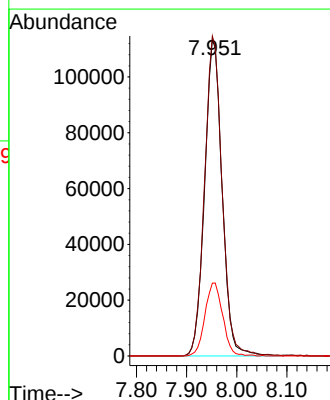
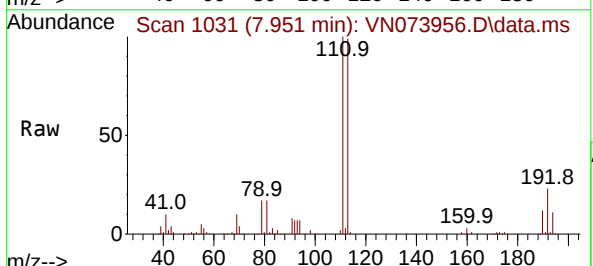
Delta R.T. 0.000 min

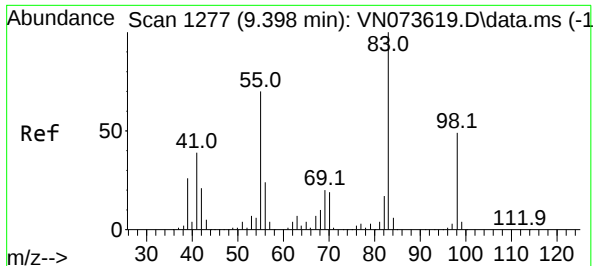
Lab File: VN073956.D

Acq: 16 Aug 2022 18:15

Tgt Ion:113 Resp: 274781

Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.4	122.0
192	23.5	17.0	25.6





#39

Methylcyclohexane

Concen: 108.339 ug/l

RT: 9.398 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VN073956.D

Acq: 16 Aug 2022 18:15

Instrument :

MSVOA_N

ClientSampleId :

MW-10

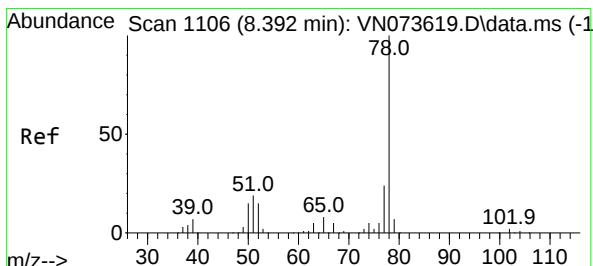
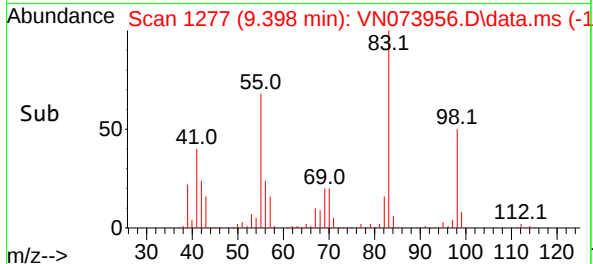
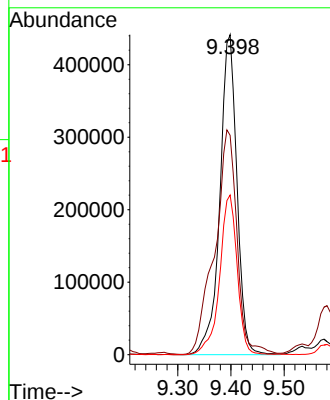
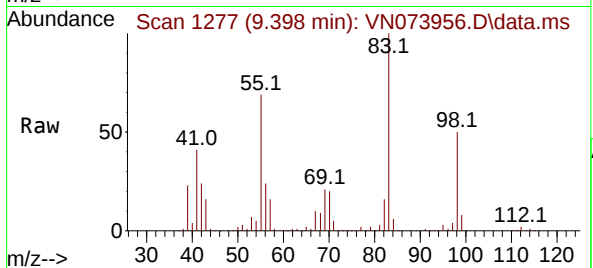
Tgt Ion: 83 Resp: 983640
 Ion Ratio Lower Upper
 83 100
 55 68.5 57.8 86.8
 98 49.9 39.4 59.2

Manual Integrations

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Reviewed By :John Carlone 08/17/2022

Supervised By :Mahesh Dadoda 08/17/2022



#40

Benzene

Concen: 0.923 ug/l

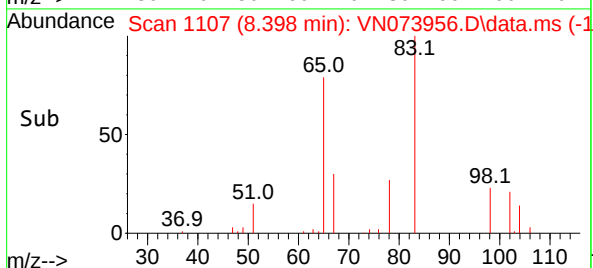
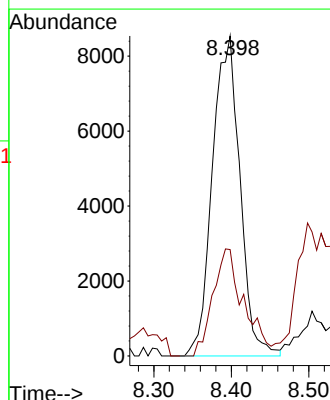
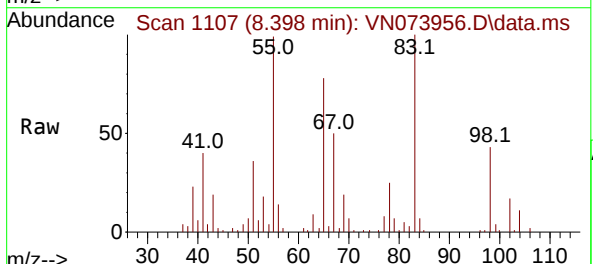
RT: 8.398 min Scan# 1107

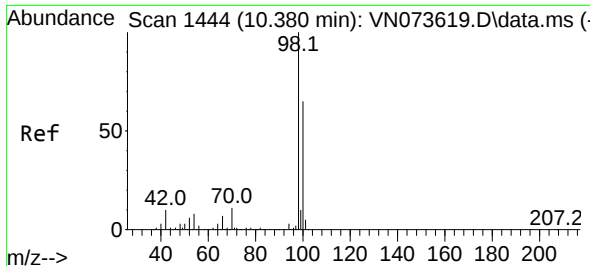
Delta R.T. 0.006 min

Lab File: VN073956.D

Acq: 16 Aug 2022 18:15

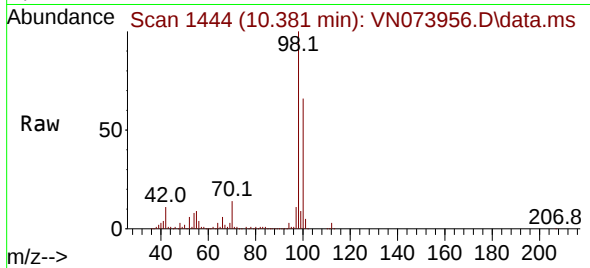
Tgt Ion: 78 Resp: 21101
 Ion Ratio Lower Upper
 78 100
 77 33.3 19.4 29.0#





#50
Toluene-d8
Concen: 47.178 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VN073956.D
Acq: 16 Aug 2022 18:15

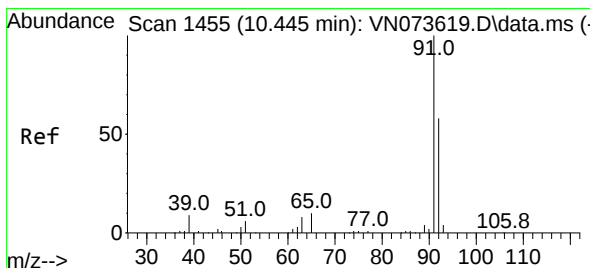
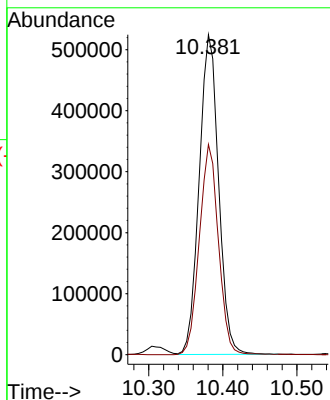
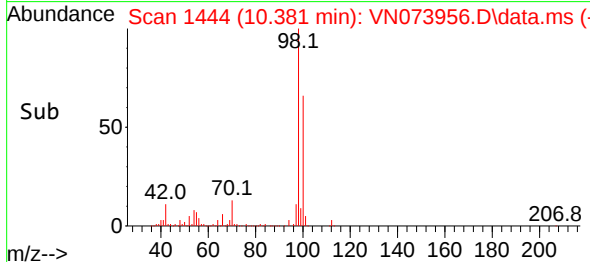
Instrument :
MSVOA_N
ClientSampleId :
MW-10



Tgt Ion: 98 Resp: 953192
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8

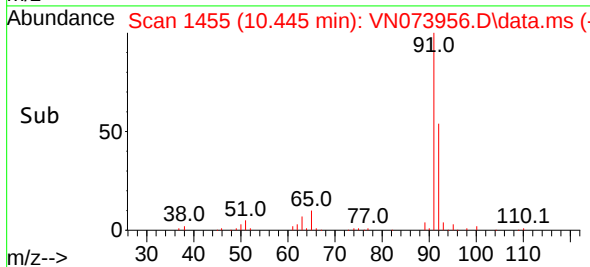
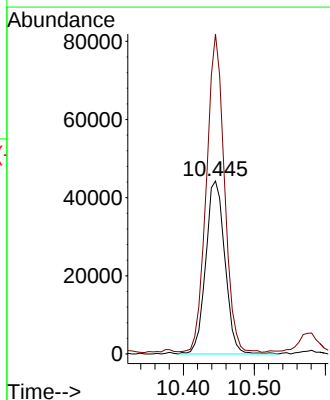
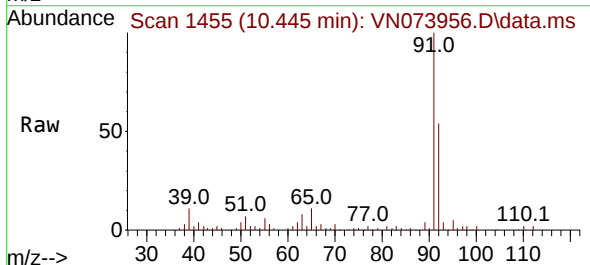
Manual Integrations
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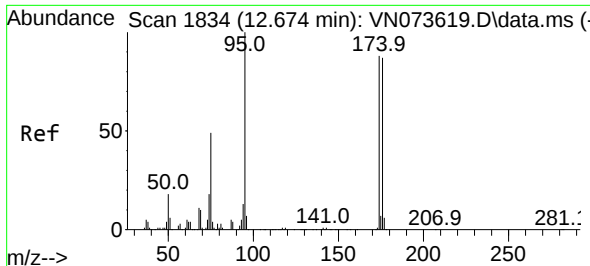
Reviewed By :John Carlone 08/17/2022
Supervised By :Mahesh Dadoda 08/17/2022



#52
Toluene
Concen: 5.289 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN073956.D
Acq: 16 Aug 2022 18:15

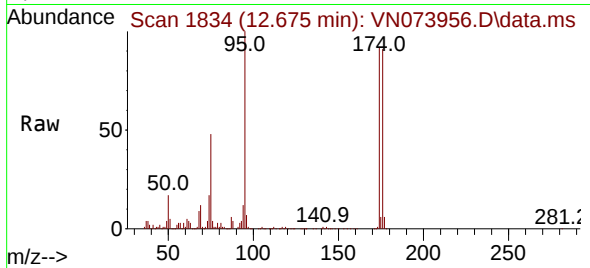
Tgt Ion: 92 Resp: 82935
Ion Ratio Lower Upper
92 100
91 172.2 138.6 207.8





#62
4-Bromofluorobenzene
Concen: 63.332 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.001 min
Lab File: VN073956.D
Acq: 16 Aug 2022 18:15

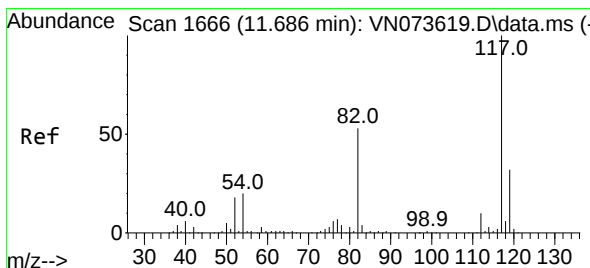
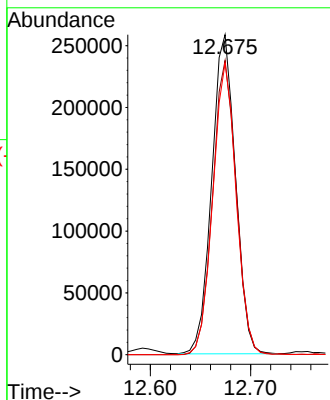
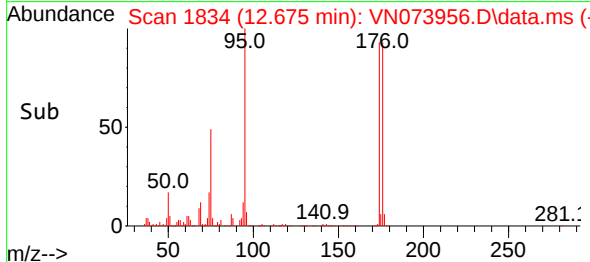
Instrument :
MSVOA_N
ClientSampleId :
MW-10



Tgt Ion: 95 Resp: 424660
Ion Ratio Lower Upper
95 100
174 91.8 0.0 167.6
176 89.8 0.0 163.4

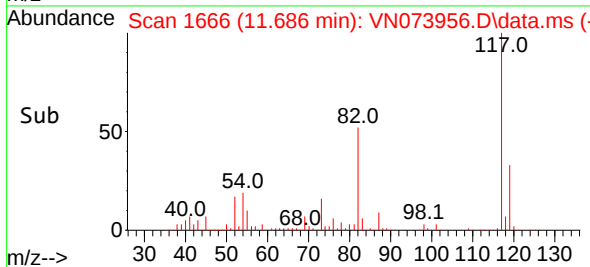
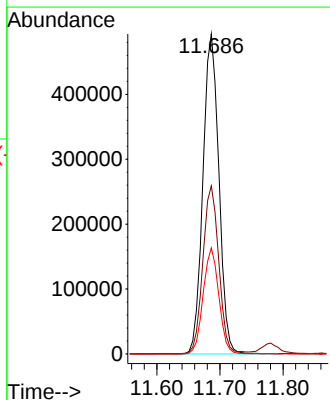
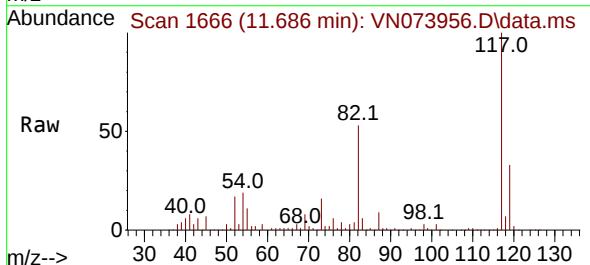
Manual Integrations
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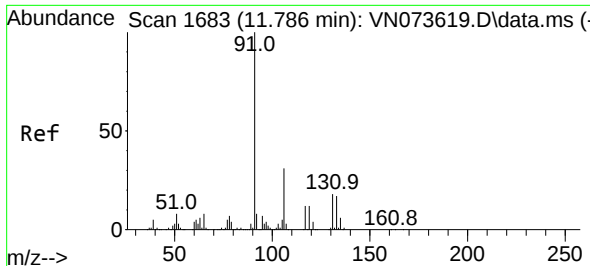
Reviewed By :John Carlone 08/17/2022
Supervised By :Mahesh Dadoda 08/17/2022



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073956.D
Acq: 16 Aug 2022 18:15

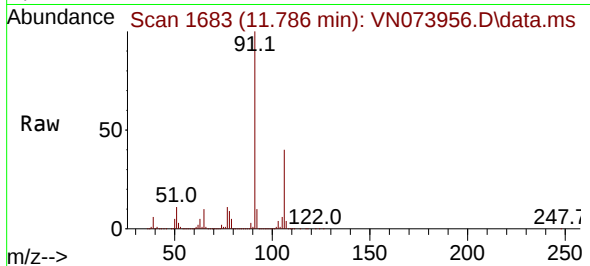
Tgt Ion:117 Resp: 865536
Ion Ratio Lower Upper
117 100
82 52.5 44.2 66.2
119 33.2 25.4 38.0





#67
Ethyl Benzene
Concen: 509.186 ug/l
RT: 11.786 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VN073956.D
Acq: 16 Aug 2022 18:15

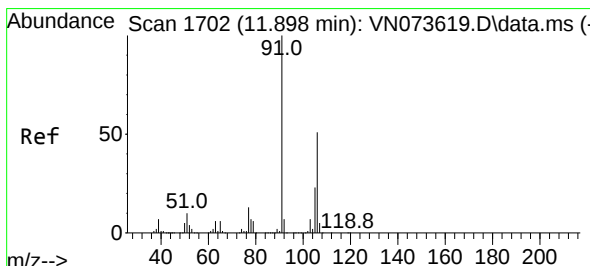
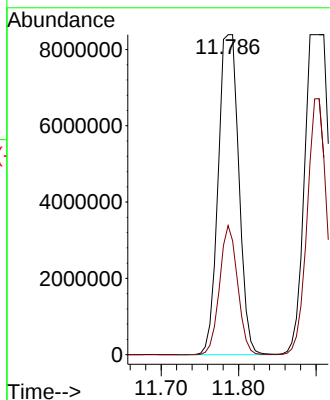
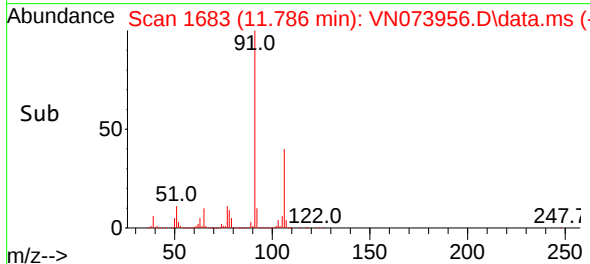
Instrument :
MSVOA_N
ClientSampleId :
MW-10



Tgt Ion: 91 Resp:15576680
Ion Ratio Lower Upper
91 100
106 40.4 24.9 37.3

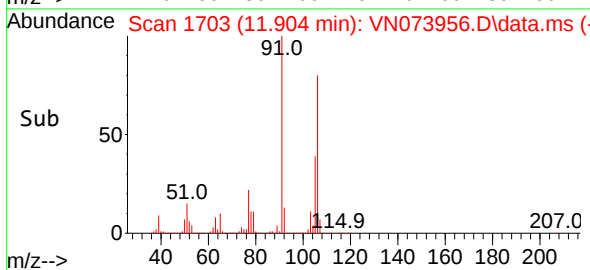
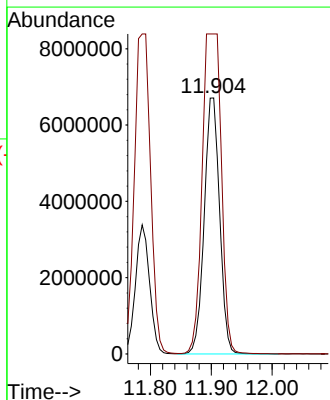
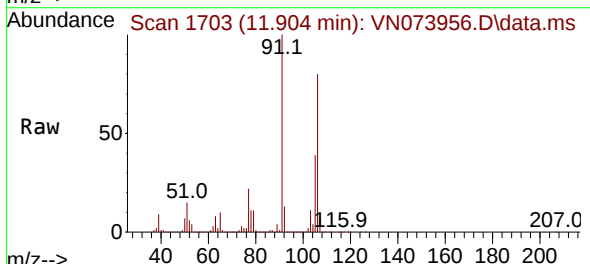
Manual Integrations
APPROVED

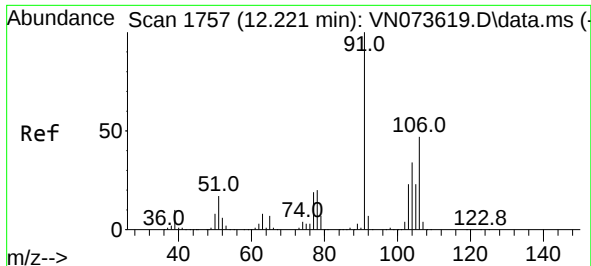
Reviewed By :John Carlone 08/17/2022
Supervised By :Mahesh Dadoda 08/17/2022



#68
m/p-Xylenes
Concen: 946.954 ug/l
RT: 11.904 min Scan# 1703
Delta R.T. 0.006 min
Lab File: VN073956.D
Acq: 16 Aug 2022 18:15

Tgt Ion:106 Resp:11770193
Ion Ratio Lower Upper
106 100
91 156.1 158.9 238.3





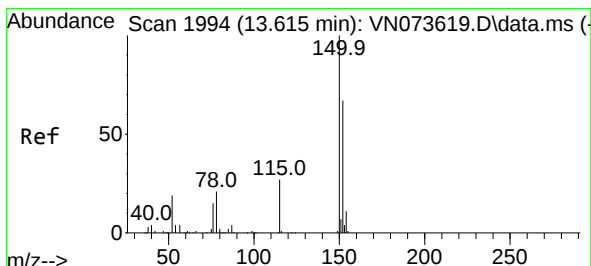
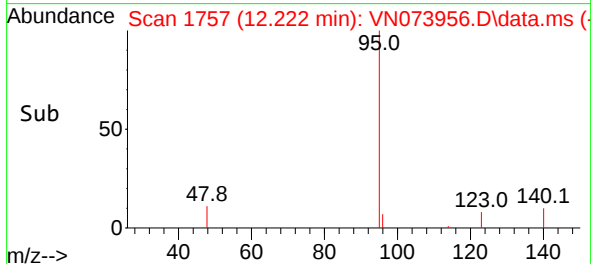
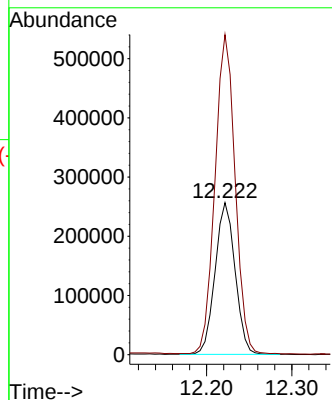
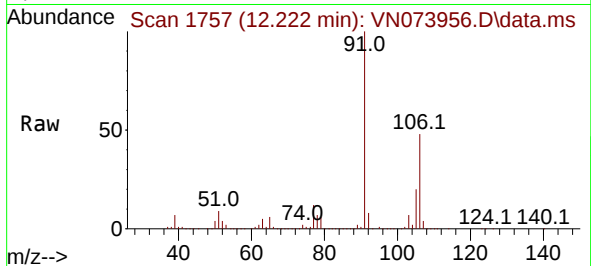
#69
o-Xylene
Concen: 33.576 ug/l
RT: 12.222 min Scan# 1757
Delta R.T. 0.001 min
Lab File: VN073956.D
Acq: 16 Aug 2022 18:15

Instrument :
MSVOA_N
ClientSampleId :
MW-10

Tgt Ion:106 Resp: 418504
Ion Ratio Lower Upper
106 100
91 212.4 106.0 318.0

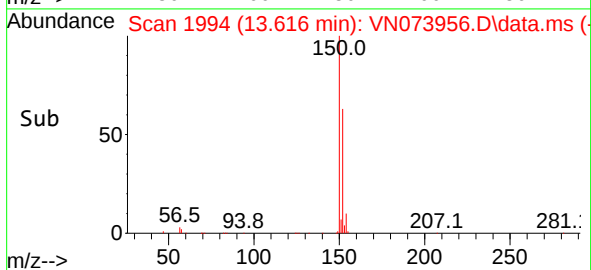
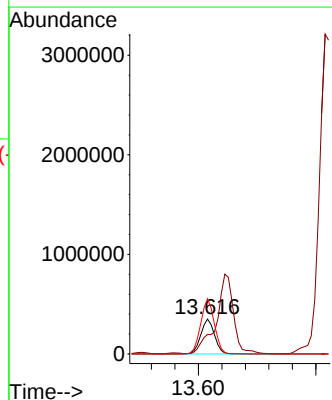
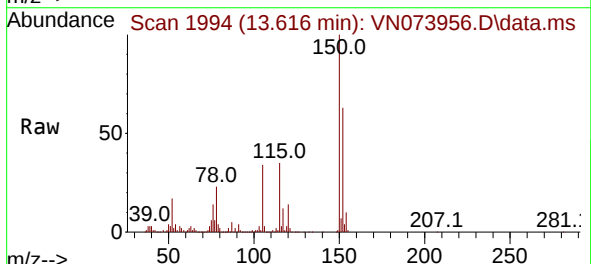
Manual Integrations
APPROVED

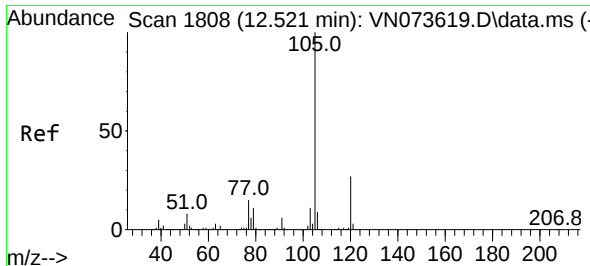
Reviewed By :John Carlone 08/17/2022
Supervised By :Mahesh Dadoda 08/17/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN073956.D
Acq: 16 Aug 2022 18:15

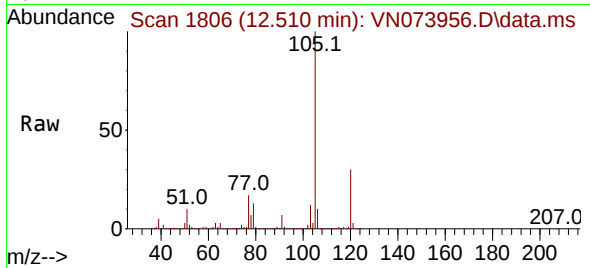
Tgt Ion:152 Resp: 565551
Ion Ratio Lower Upper
152 100
115 0.0 28.9 86.7#
150 157.9 0.0 356.2





#73
Isopropylbenzene
Concen: 470.114 ug/l m
RT: 12.510 min Scan# 1806
Delta R.T. -0.011 min
Lab File: VN073956.D
Acq: 16 Aug 2022 18:15

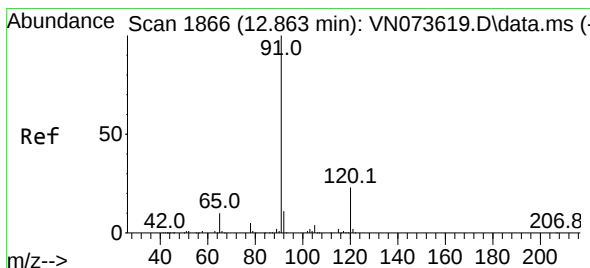
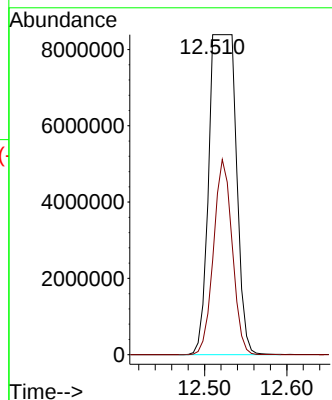
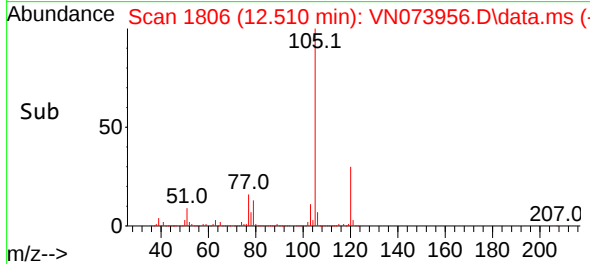
Instrument :
MSVOA_N
ClientSampleId :
MW-10



Tgt Ion:105 Resp:19360070
Ion Ratio Lower Upper
105 100
120 0.0 13.5 40.4

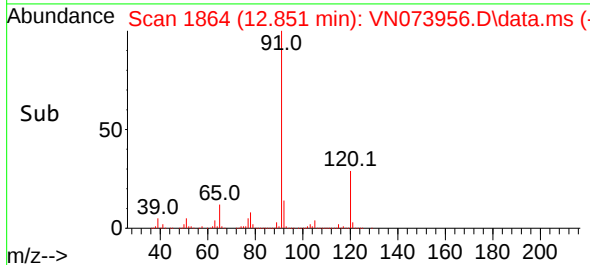
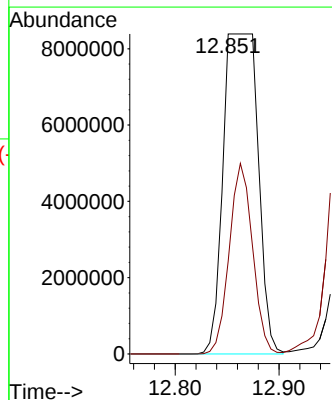
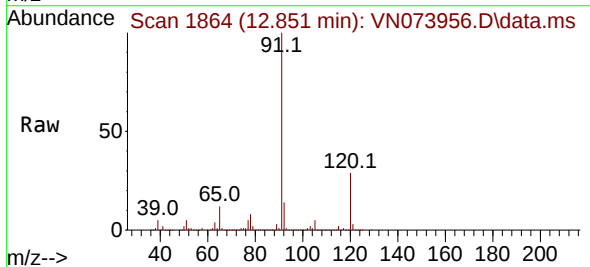
Manual Integrations
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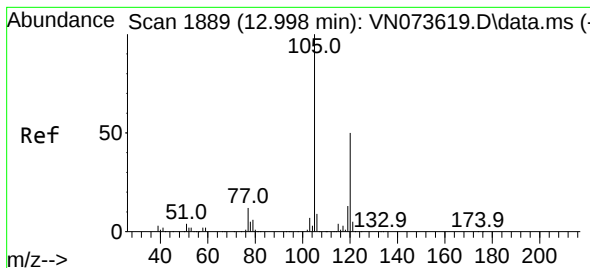
Reviewed By :John Carlone 08/17/2022
Supervised By :Mahesh Dadoda 08/17/2022



#78
n-propylbenzene
Concen: 445.482 ug/l m
RT: 12.851 min Scan# 1864
Delta R.T. -0.012 min
Lab File: VN073956.D
Acq: 16 Aug 2022 18:15

Tgt Ion: 91 Resp:19555648
Ion Ratio Lower Upper
91 100
120 57.7 11.9 35.5





#80

1,3,5-Trimethylbenzene

Concen: 568.749 ug/l m

RT: 12.992 min Scan# 1889

Delta R.T. -0.006 min

Lab File: VN073956.D

Acq: 16 Aug 2022 18:15

Instrument :

MSVOA_N

ClientSampleId :

MW-10

Tgt Ion:105 Resp:19051134

Ion Ratio Lower Upper

105 100

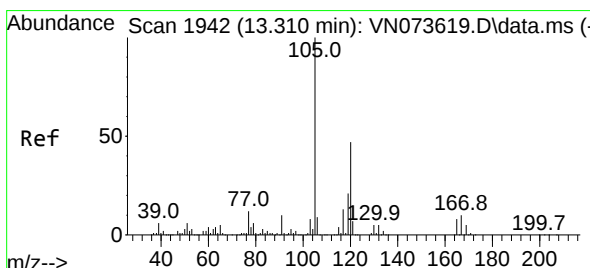
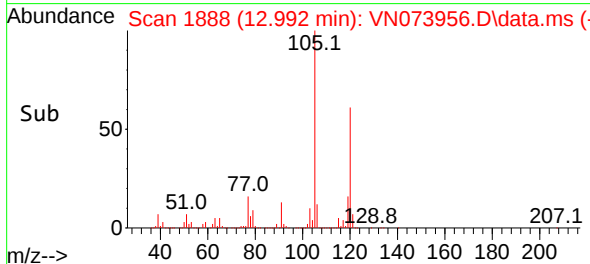
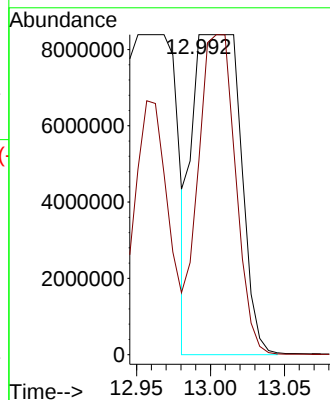
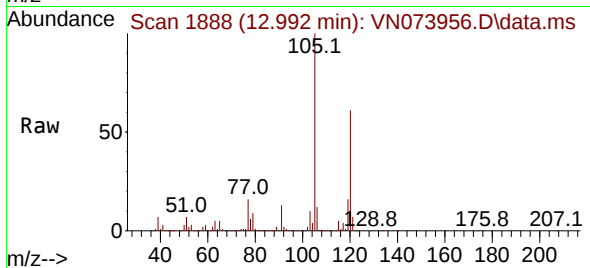
120 59.3 24.9 74.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/17/2022

Supervised By :Mahesh Dadoda 08/17/2022



#84

1,2,4-Trimethylbenzene

Concen: 817.665 ug/l m

RT: 13.298 min Scan# 1940

Delta R.T. -0.012 min

Lab File: VN073956.D

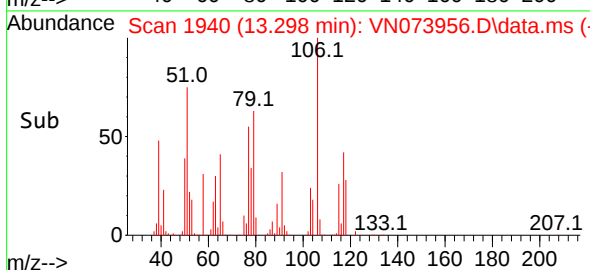
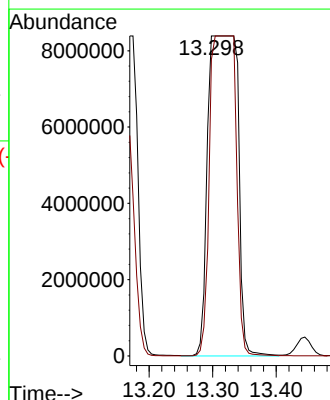
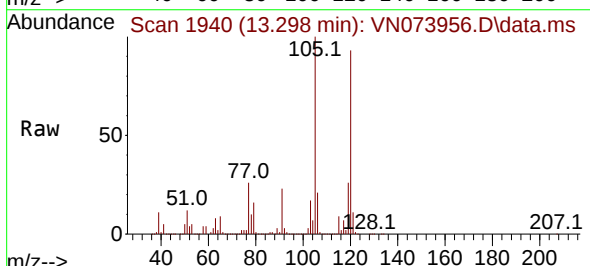
Acq: 16 Aug 2022 18:15

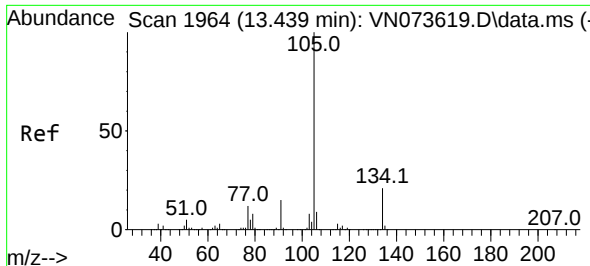
Tgt Ion:105 Resp:27350962

Ion Ratio Lower Upper

105 100

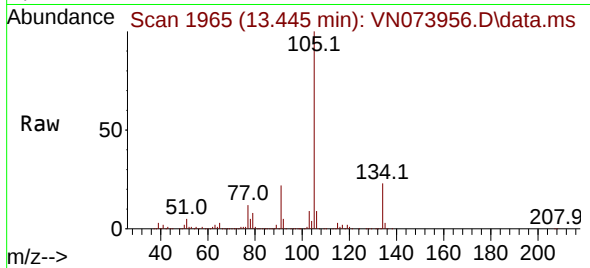
120 0.0 23.3 69.8#





#85
 sec-Butylbenzene
 Concen: 19.402 ug/l
 RT: 13.445 min Scan# 1965
 Delta R.T. 0.006 min
 Lab File: VN073956.D
 Acq: 16 Aug 2022 18:15

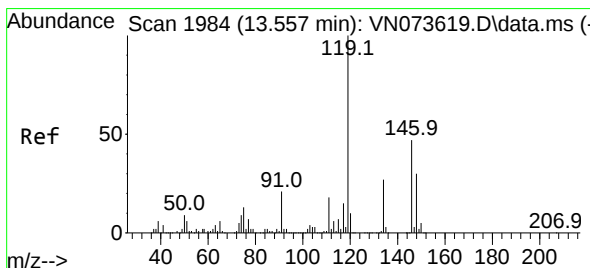
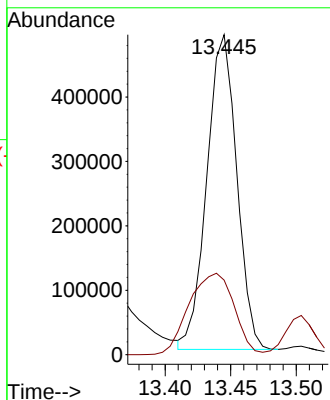
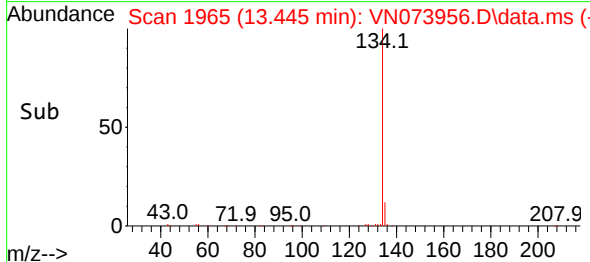
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-10



Tgt Ion:105 Resp: 77522
 Ion Ratio Lower Upper
 105 100
 134 38.9 10.4 31.1

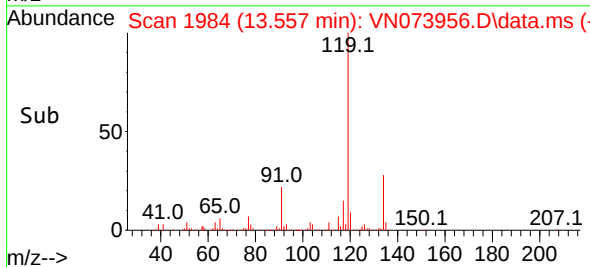
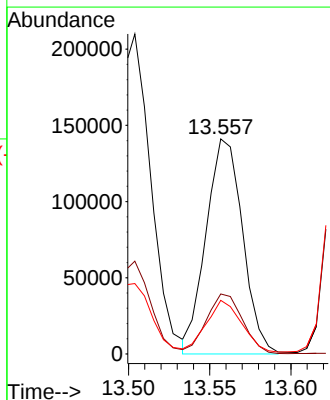
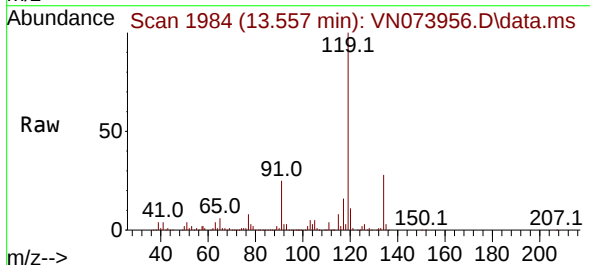
Manual Integrations
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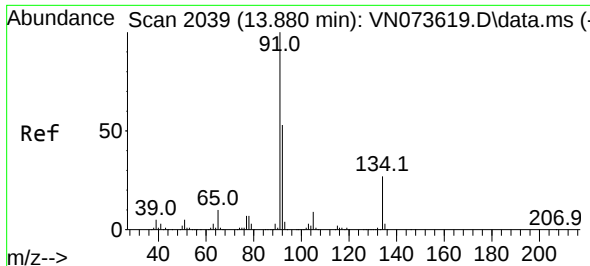
Reviewed By :John Carlone 08/17/2022
 Supervised By :Mahesh Dadoda 08/17/2022



#86
 p-Isopropyltoluene
 Concen: 6.499 ug/l m
 RT: 13.557 min Scan# 1984
 Delta R.T. -0.000 min
 Lab File: VN073956.D
 Acq: 16 Aug 2022 18:15

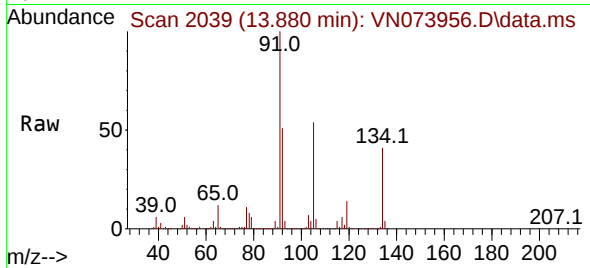
Tgt Ion:119 Resp: 221227
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.3 39.8#
 91 1368.4 11.3 33.9#





#89
n-Butylbenzene
Concen: 21.592 ug/l
RT: 13.880 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VN073956.D
Acq: 16 Aug 2022 18:15

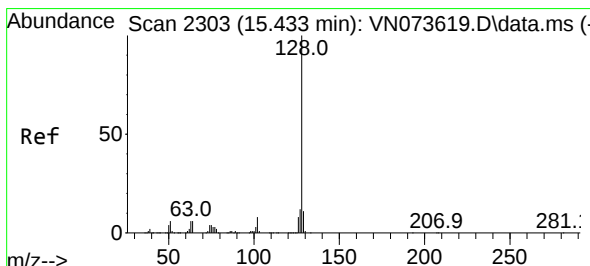
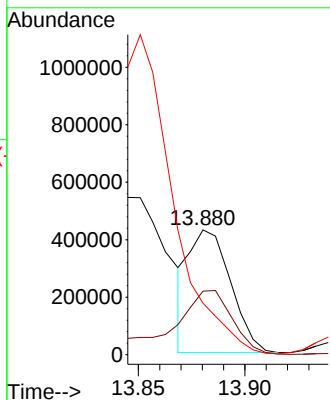
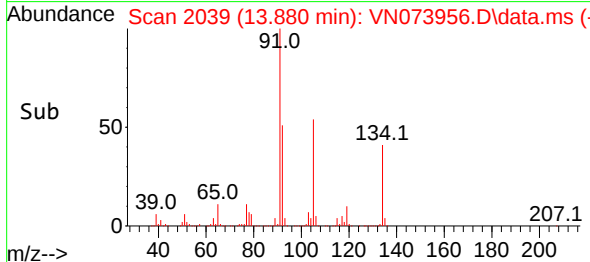
Instrument :
MSVOA_N
Client SampleId :
MW-10



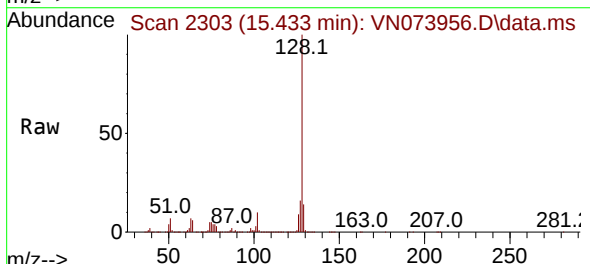
Tgt Ion: 91 Resp: 58213
Ion Ratio Lower Upper
91 100
92 63.0 26.9 80.7
134 0.0 13.6 40.8

Manual Integrations
APPROVED

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



#95
Naphthalene
Concen: 439.654 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN073956.D
Acq: 16 Aug 2022 18:15



Tgt Ion:128 Resp:17414331
Ion Ratio Lower Upper
128 100
127 14.3 10.3 15.5
129 12.2 8.6 13.0

