

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080422\
 Data File : VN073737.D
 Acq On : 04 Aug 2022 15:30
 Operator : JC\MD
 Sample : N3887-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12

Manual Integrations
 APPROVED

Reviewed By :John Carlone 08/05/2022
 Supervised By :Mahesh Dadoda 08/05/2022

Quant Time: Aug 05 00:28:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 29 02:20:25 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	394541	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	625641	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	595026	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	321523	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	221559	46.080	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.160%		
35) Dibromofluoromethane	7.951	113	209142	53.235	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	106.480%		
50) Toluene-d8	10.380	98	713854	46.175	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.360%		
62) 4-Bromofluorobenzene	12.674	95	283127	53.983	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.960%		
Target Compounds					Qvalue	
16) Acetone	4.234	43	23976	9.284	ug/l	97
25) 2-Butanone	7.269	43	8381	2.090	ug/l	96
31) Cyclohexane	8.022	56	178778	24.975	ug/l	99
39) Methylcyclohexane	9.398	83	145312	21.718	ug/l	99
40) Benzene	8.386	78	41812	2.300	ug/l	99
52) Toluene	10.445	92	14924	1.344	ug/l	96
67) Ethyl Benzene	11.780	91	16652	0.781	ug/l	98
68) m/p-Xylenes	11.898	106	12680	1.559	ug/l	88
69) o-Xylene	12.222	106	4773	0.602	ug/l	89
73) Isopropylbenzene	12.521	105	187887	7.983	ug/l	99
78) n-propylbenzene	12.863	91	460885	17.403	ug/l	99
83) tert-Butylbenzene	13.263	119	14660	0.855	ug/l	92
84) 1,2,4-Trimethylbenzene	13.310	105	12614	0.662	ug/l	91
85) sec-Butylbenzene	13.439	105	83299	3.513	ug/l #	73
89) n-Butylbenzene	13.880	91	69646m	4.579	ug/l	
95) Naphthalene	15.433	128	3934477	215.357	ug/l	100

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

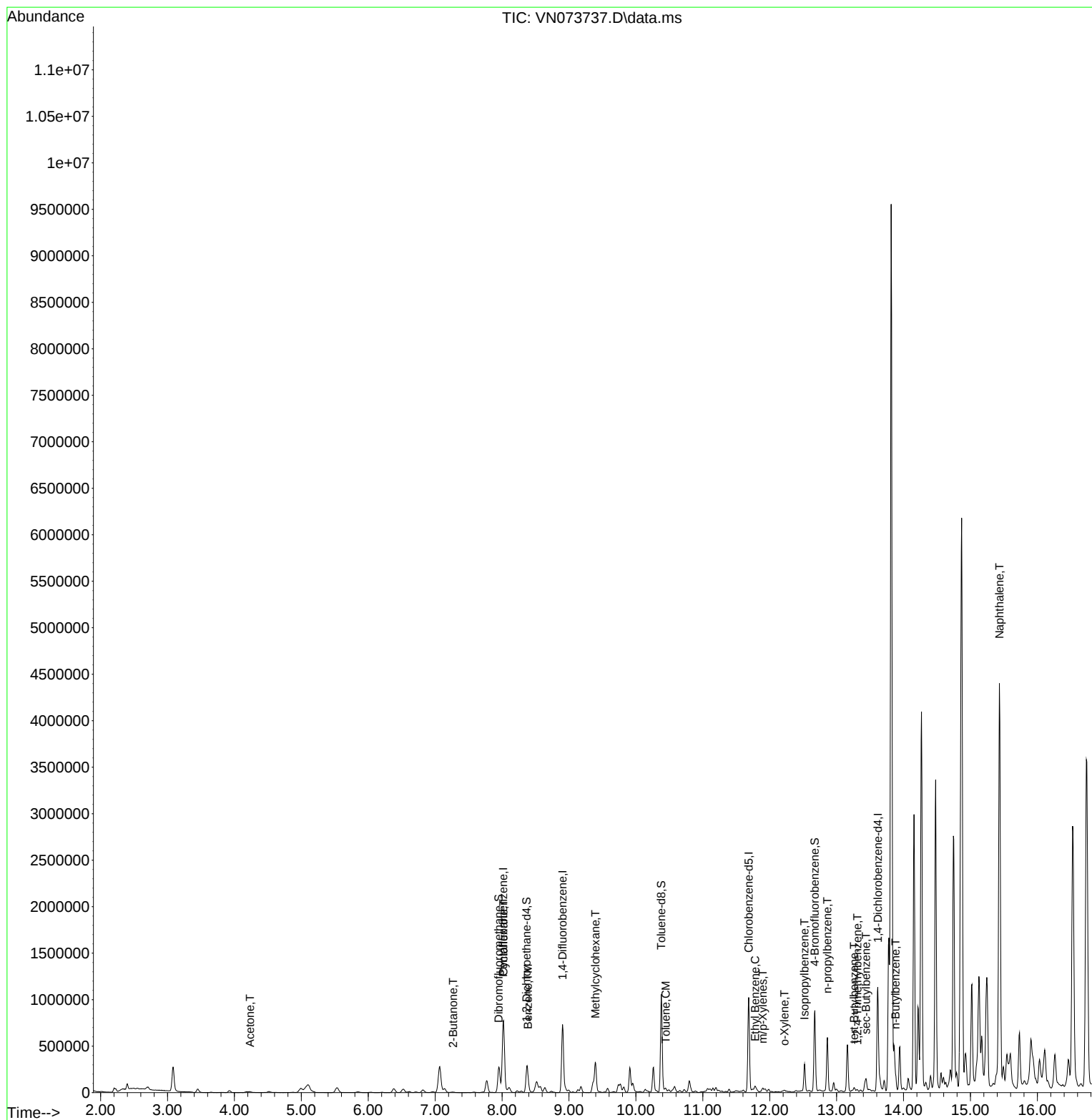
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080422\
Data File : VN073737.D
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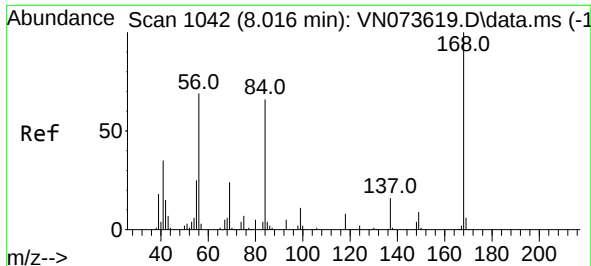
Instrument :
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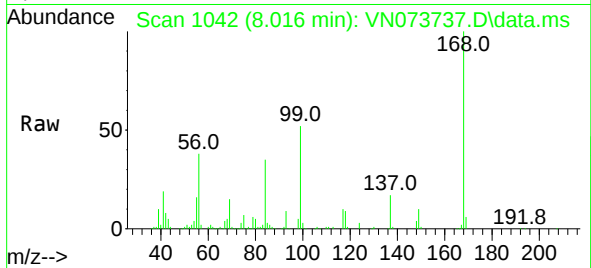
Quant Time: Aug 05 00:28:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 29 02:20:25 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073737.D
Acq: 04 Aug 2022 15:30

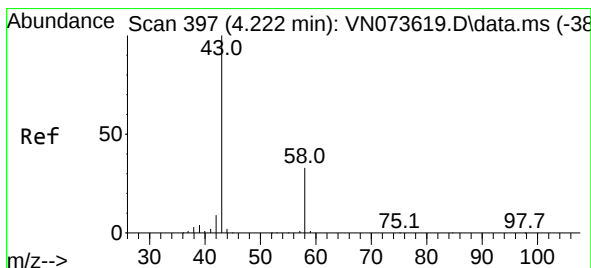
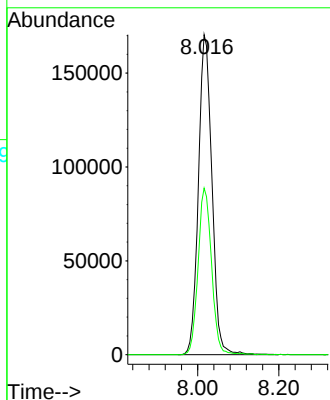
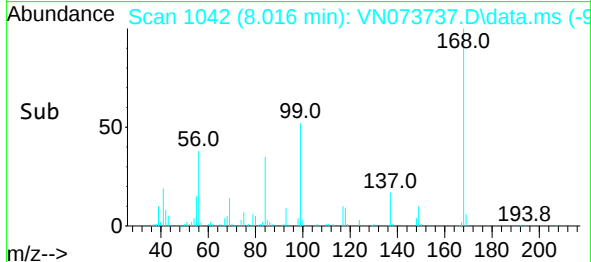
Instrument :
MSVOA_N
ClientSampleId :
MW-12



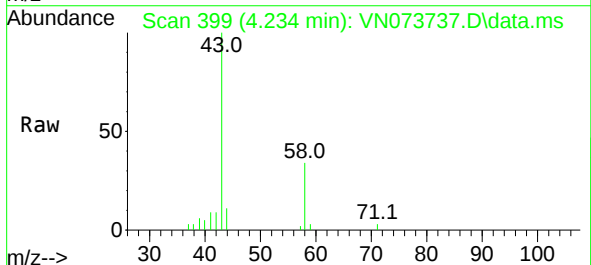
Tgt Ion:168 Resp: 39454
Ion Ratio Lower Upper
168 100
99 52.1 42.3 63.5

Manual Integrations
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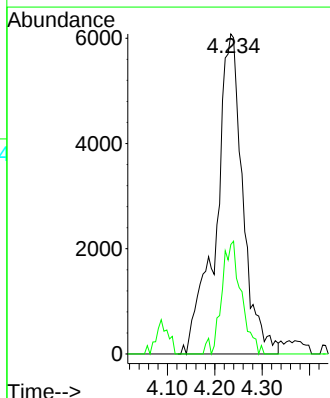
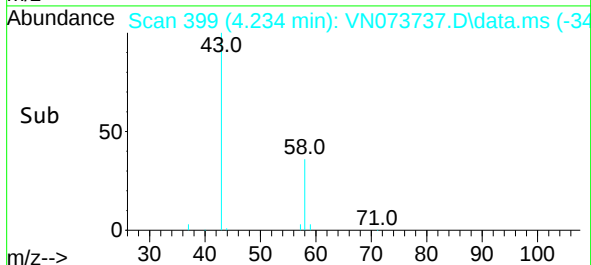
Reviewed By :John Carlone 08/05/2022
Supervised By :Mahesh Dadoda 08/05/2022

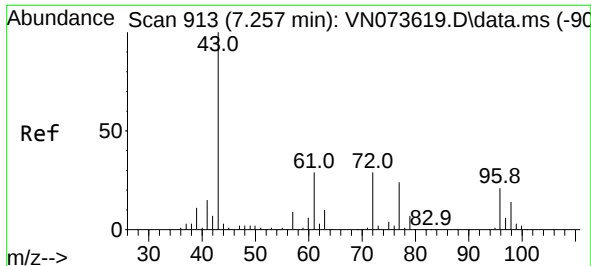


#16
Acetone
Concen: 9.284 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN073737.D
Acq: 04 Aug 2022 15:30



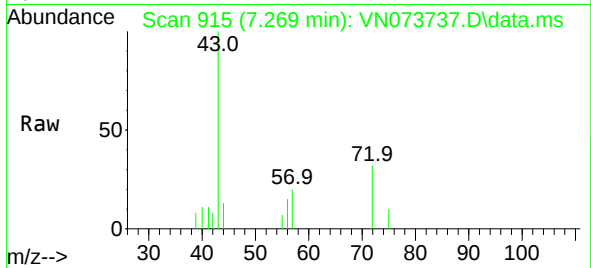
Tgt Ion: 43 Resp: 23976
Ion Ratio Lower Upper
43 100
58 34.2 26.0 39.0





#25
2-Butanone
Concen: 2.090 ug/l
RT: 7.269 min Scan# 913
Delta R.T. 0.012 min
Lab File: VN073737.D
Acq: 04 Aug 2022 15:30

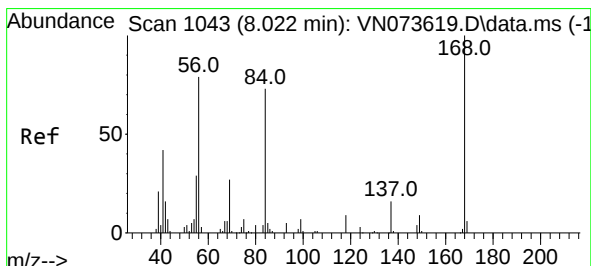
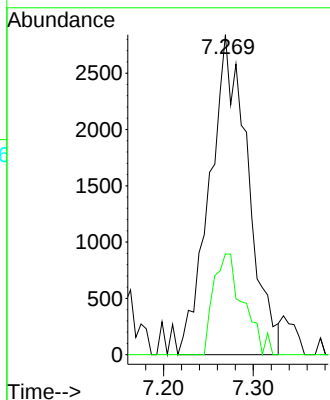
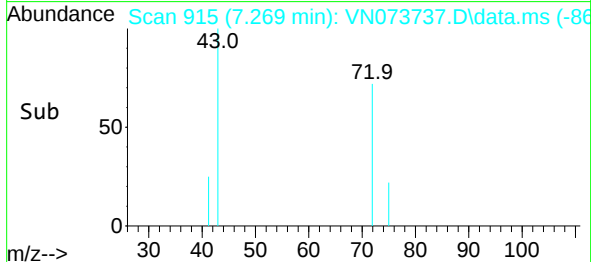
Instrument :
MSVOA_N
ClientSampleId :
MW-12



Tgt Ion: 43 Resp: 838
Ion Ratio Lower Upper
43 100
72 31.5 23.7 35.5

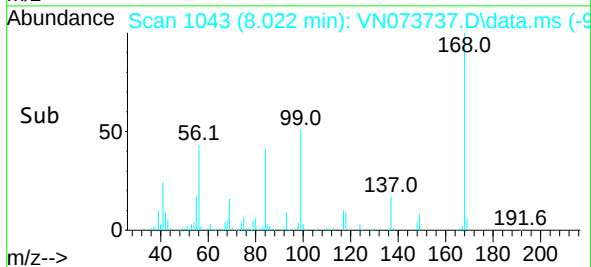
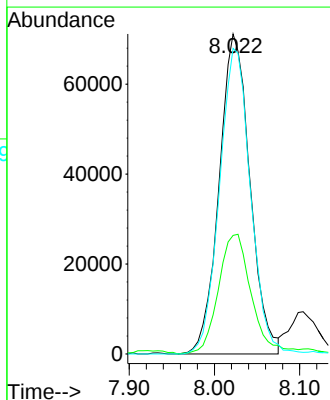
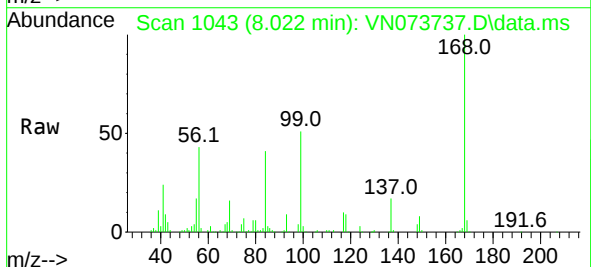
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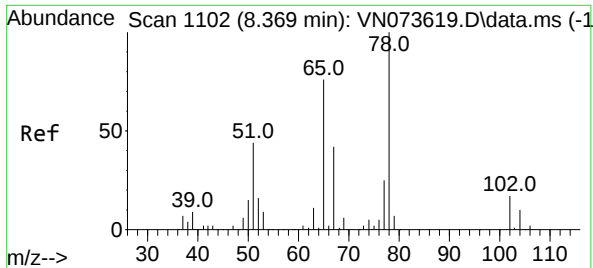
Reviewed By :John Carlone 08/05/2022
Supervised By :Mahesh Dadoda 08/05/2022



#31
Cyclohexane
Concen: 24.975 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VN073737.D
Acq: 04 Aug 2022 15:30

Tgt Ion: 56 Resp: 178778
Ion Ratio Lower Upper
56 100
69 37.0 27.8 41.8
84 95.5 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 46.080 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN073737.D

Acq: 04 Aug 2022 15:30

Instrument :

MSVOA_N

ClientSampleId :

MW-12

Tgt Ion: 65 Resp: 22155

Ion Ratio Lower Upper

65 100

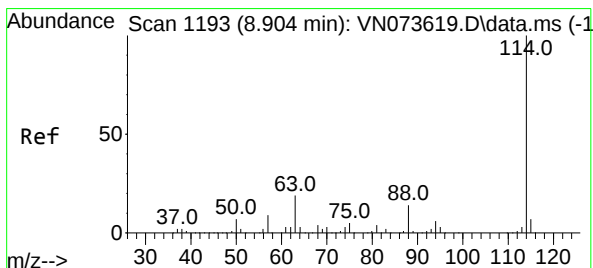
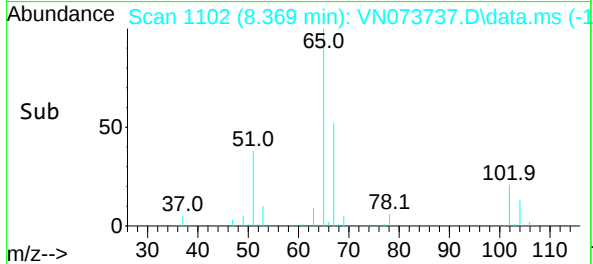
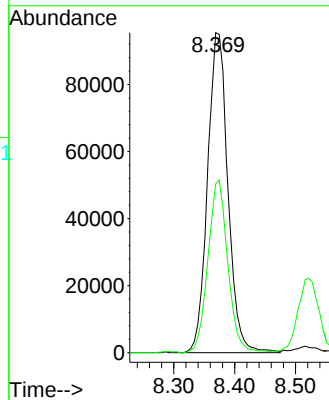
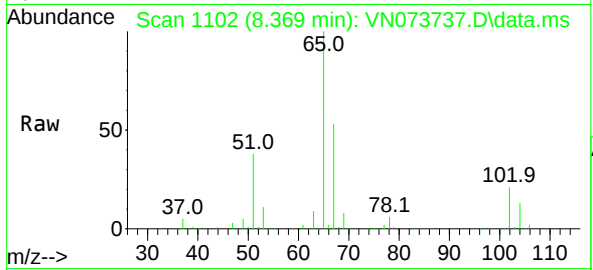
67 52.6 0.0 104.8

Manual Integrations

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Supervised By :Mahesh Dadoda 08/05/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN073737.D

Acq: 04 Aug 2022 15:30

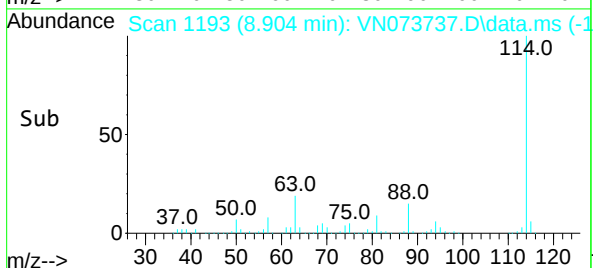
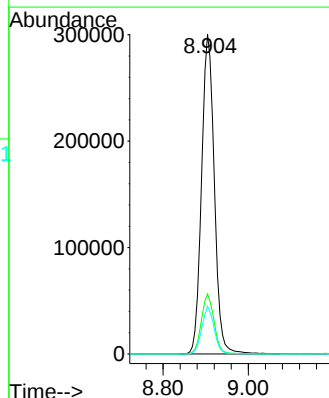
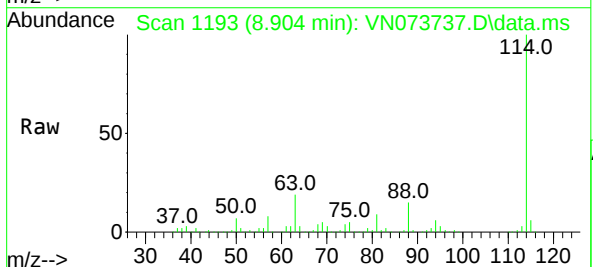
Tgt Ion:114 Resp: 625641

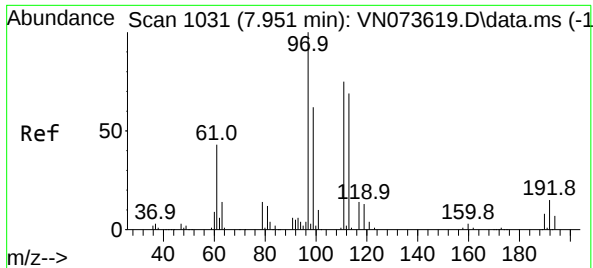
Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.0

88 14.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 53.235 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073737.D

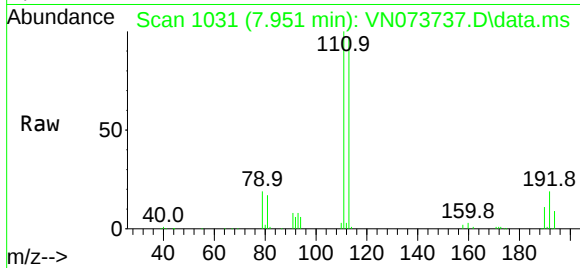
Acq: 04 Aug 2022 15:30

Instrument :

MSVOA_N

ClientSampleId :

MW-12



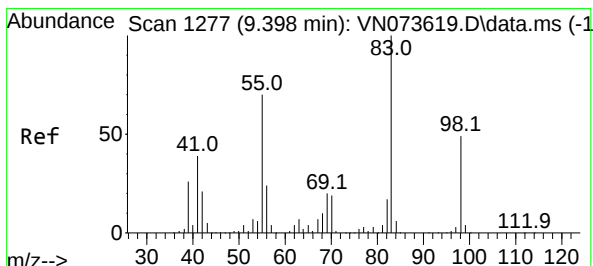
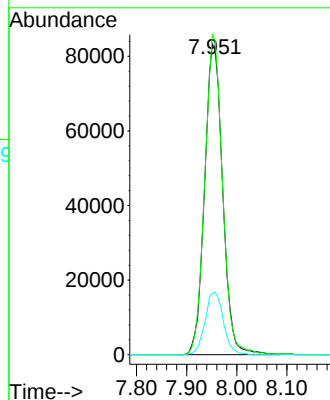
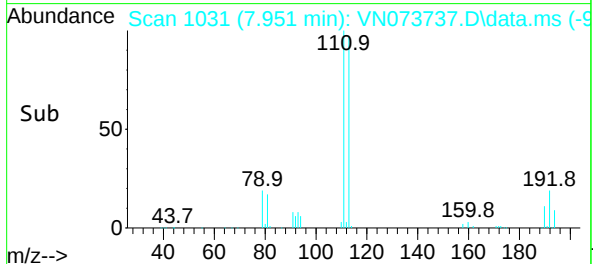
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.4	122.0
192	20.4	17.0	25.6

Manual Integrations

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Reviewed By :John Carlone 08/05/2022

Supervised By :Mahesh Dadoda 08/05/2022



#39

Methylcyclohexane

Concen: 21.718 ug/l

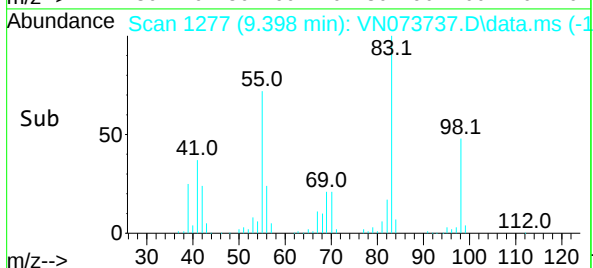
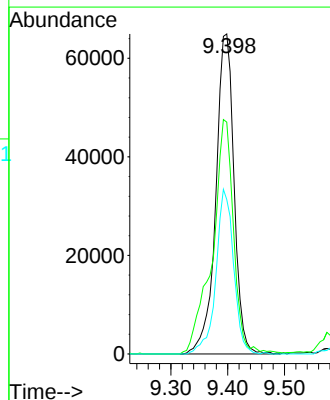
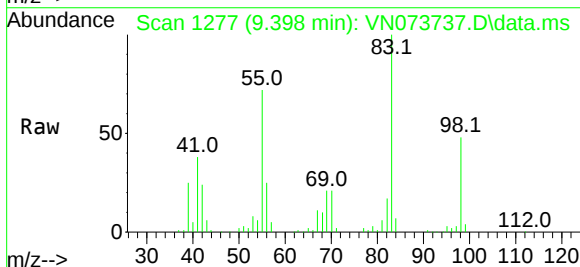
RT: 9.398 min Scan# 1277

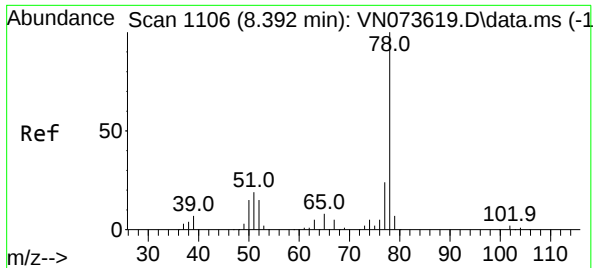
Delta R.T. 0.000 min

Lab File: VN073737.D

Acq: 04 Aug 2022 15:30

Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.4	57.8	86.8
98	48.3	39.4	59.2





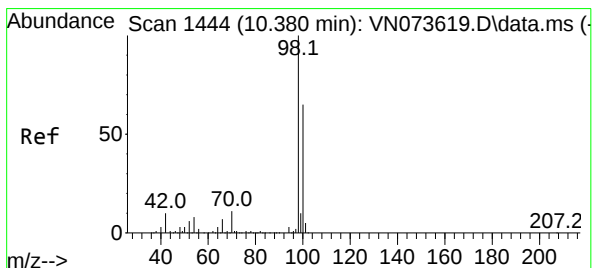
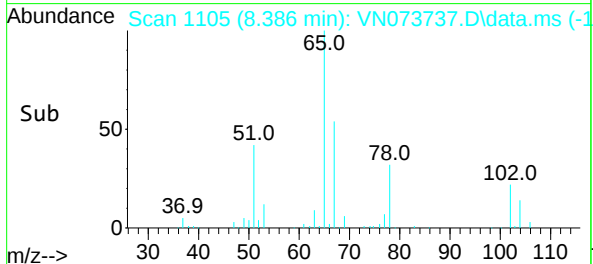
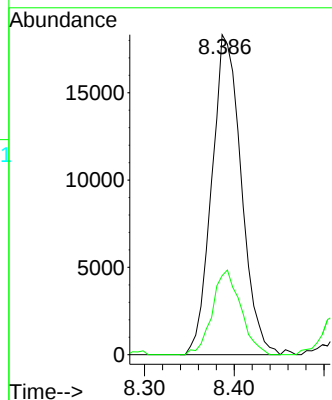
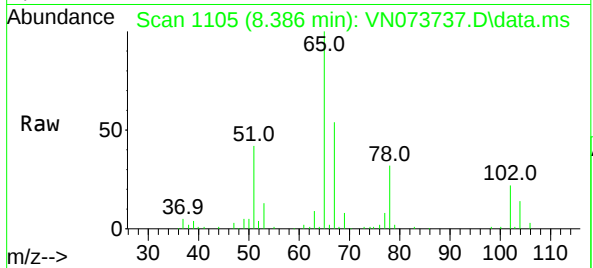
#40
Benzene
Concen: 2.300 ug/l
RT: 8.386 min Scan# 1105
Delta R.T. -0.006 min
Lab File: VN073737.D
Acq: 04 Aug 2022 15:30

Instrument :
MSVOA_N
ClientSampleId :
MW-12

Tgt Ion: 78 Resp: 4181
Ion Ratio Lower Upper
78 100
77 24.7 19.4 29.0

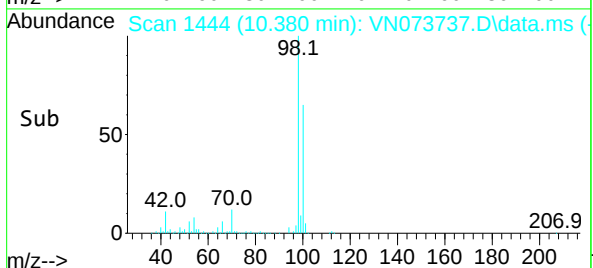
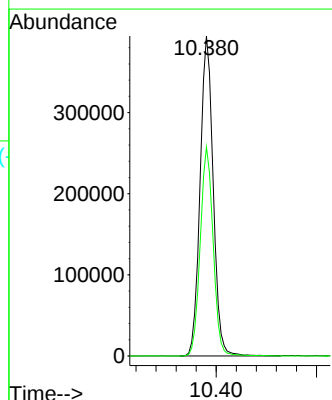
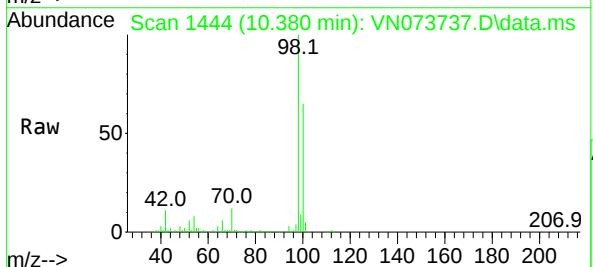
Manual Integrations
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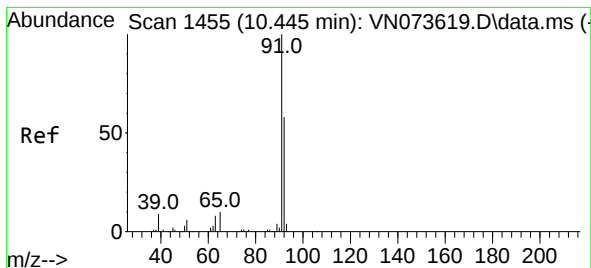
Reviewed By :John Carlone 08/05/2022
Supervised By :Mahesh Dadoda 08/05/2022



#50
Toluene-d8
Concen: 46.175 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073737.D
Acq: 04 Aug 2022 15:30

Tgt Ion: 98 Resp: 713854
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8





#52

Toluene

Concen: 1.344 ug/l

RT: 10.445 min Scan# 1455

Delta R.T. 0.000 min

Lab File: VN073737.D

Acq: 04 Aug 2022 15:30

Instrument :

MSVOA_N

ClientSampleId :

MW-12

Tgt Ion: 92 Resp: 14924

Ion Ratio Lower Upper

92 100

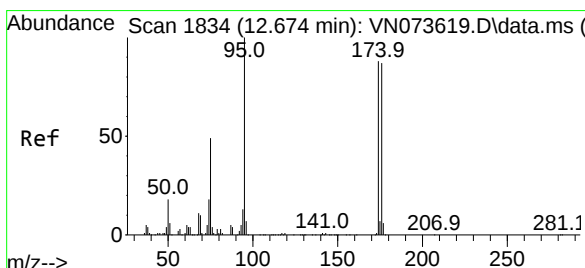
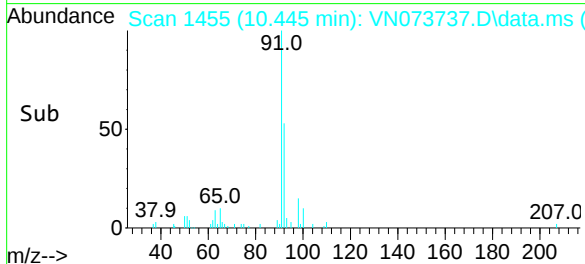
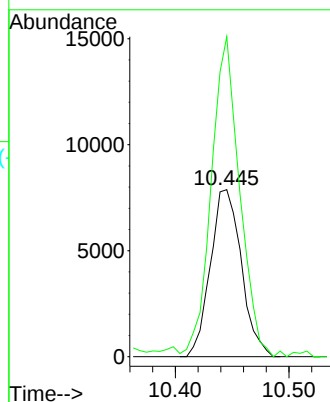
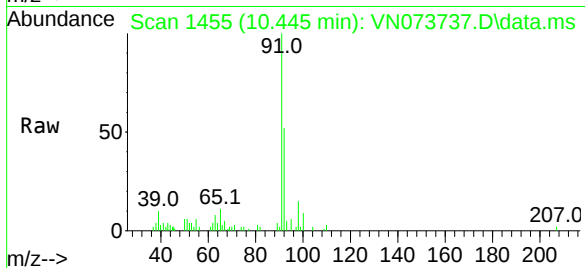
91 178.2 138.6 207.8

Manual Integrations

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Supervised By :Mahesh Dadoda 08/05/2022



#62

4-Bromofluorobenzene

Concen: 53.983 ug/l

RT: 12.674 min Scan# 1834

Delta R.T. 0.000 min

Lab File: VN073737.D

Acq: 04 Aug 2022 15:30

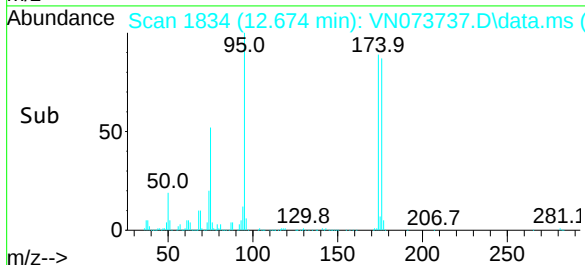
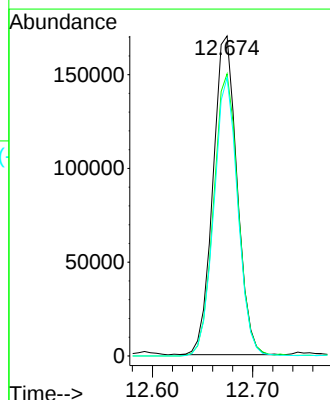
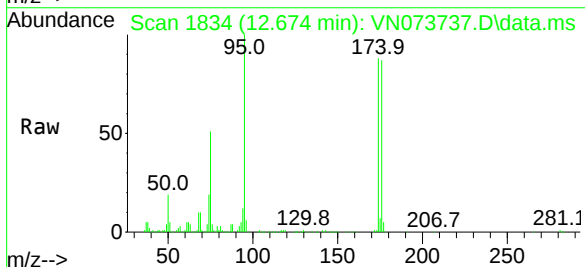
Tgt Ion: 95 Resp: 283127

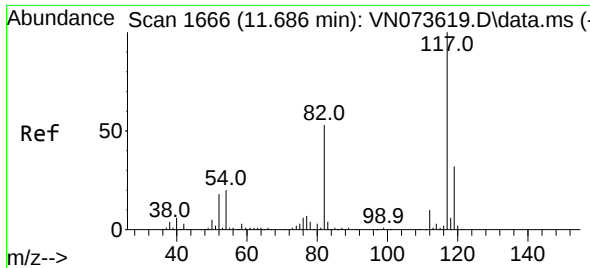
Ion Ratio Lower Upper

95 100

174 89.9 0.0 167.6

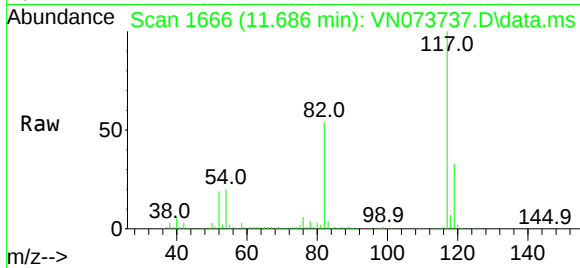
176 86.4 0.0 163.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073737.D
Acq: 04 Aug 2022 15:30

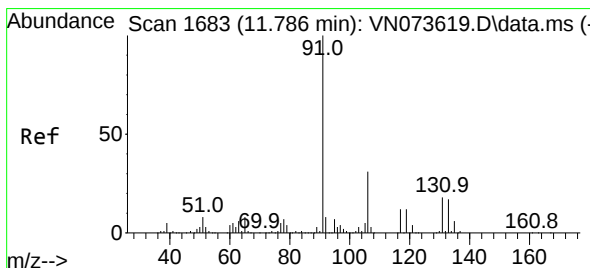
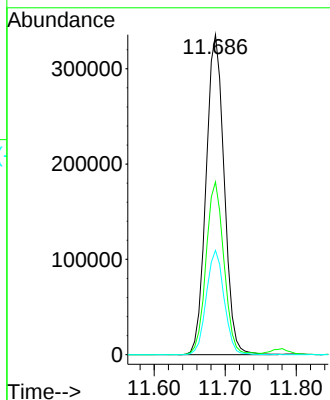
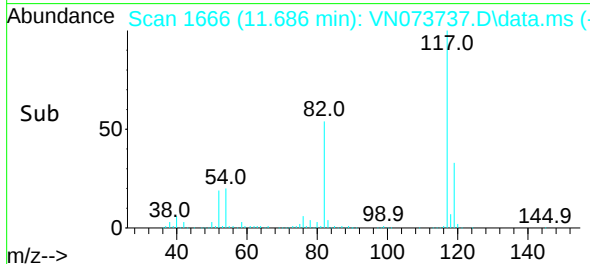
Instrument :
MSVOA_N
ClientSampleId :
MW-12



Tgt Ion:117 Resp: 595020
Ion Ratio Lower Upper
117 100
82 53.9 44.2 66.2
119 32.6 25.4 38.0

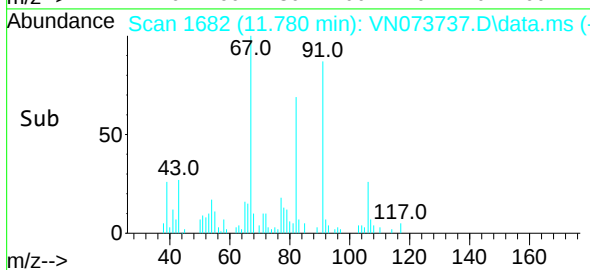
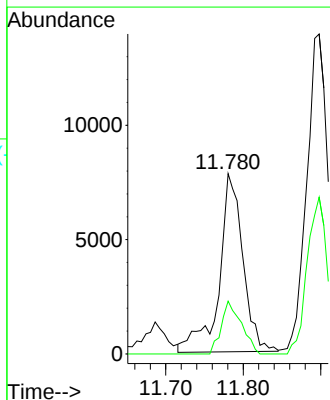
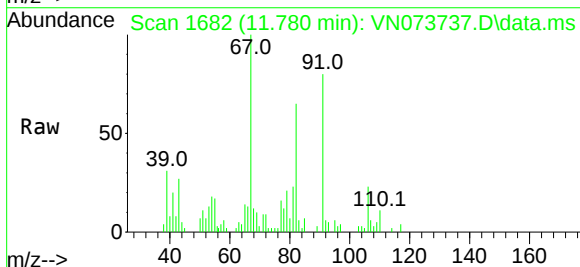
Manual Integrations
APPROVED

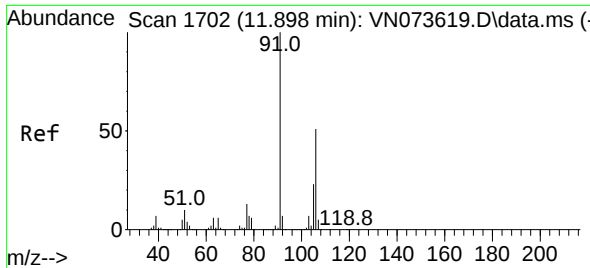
Reviewed By :John Carlone 08/05/2022
Supervised By :Mahesh Dadoda 08/05/2022



#67
Ethyl Benzene
Concen: 0.781 ug/l
RT: 11.780 min Scan# 1682
Delta R.T. -0.006 min
Lab File: VN073737.D
Acq: 04 Aug 2022 15:30

Tgt Ion: 91 Resp: 16652
Ion Ratio Lower Upper
91 100
106 29.9 24.9 37.3





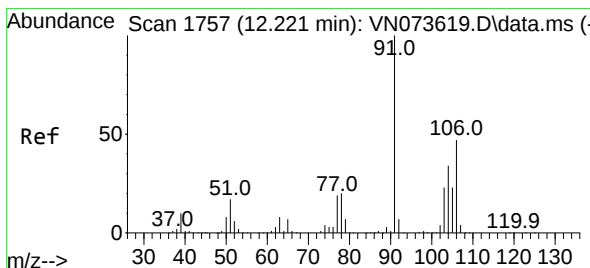
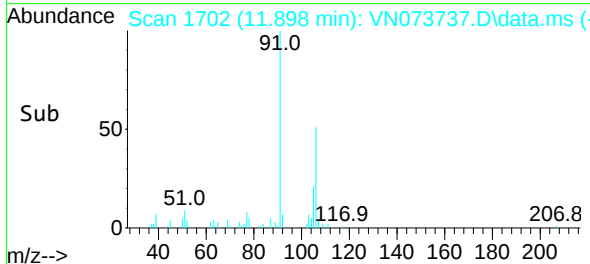
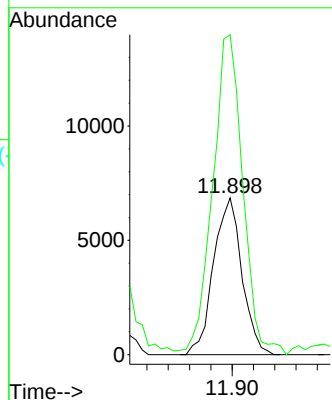
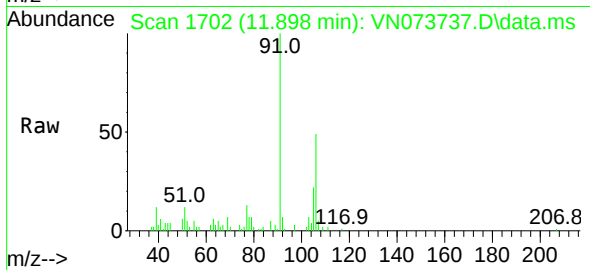
#68
m/p-Xylenes
Concen: 1.559 ug/l
RT: 11.898 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN073737.D
Acq: 04 Aug 2022 15:30

Instrument :
MSVOA_N
ClientSampleId :
MW-12

Tgt Ion:106 Resp: 12680
Ion Ratio Lower Upper
106 100
91 216.8 158.9 238.3

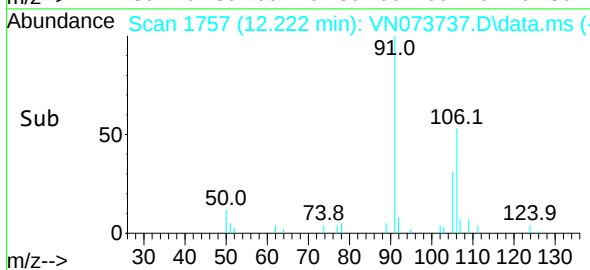
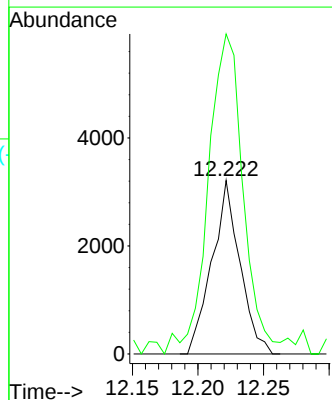
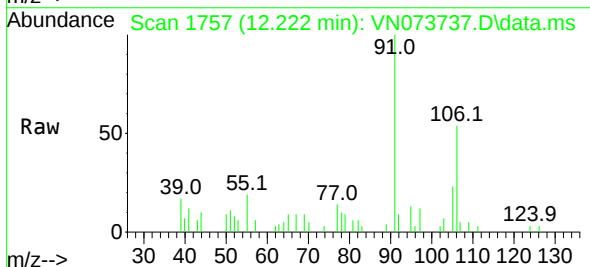
Manual Integrations
APPROVED

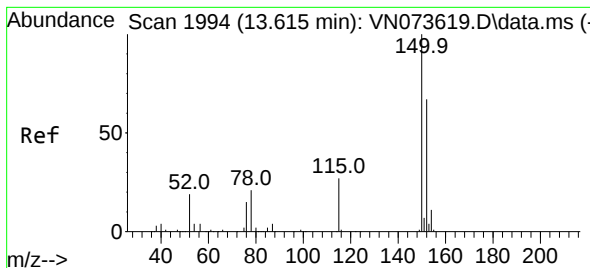
Reviewed By :John Carlone 08/05/2022
Supervised By :Mahesh Dadoda 08/05/2022



#69
o-Xylene
Concen: 0.602 ug/l
RT: 12.222 min Scan# 1757
Delta R.T. 0.000 min
Lab File: VN073737.D
Acq: 04 Aug 2022 15:30

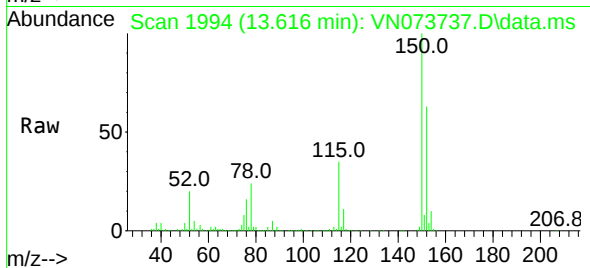
Tgt Ion:106 Resp: 4773
Ion Ratio Lower Upper
106 100
91 229.4 106.0 318.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073737.D
Acq: 04 Aug 2022 15:30

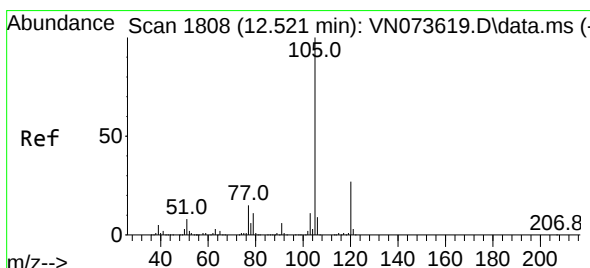
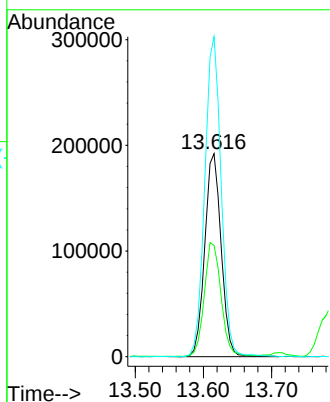
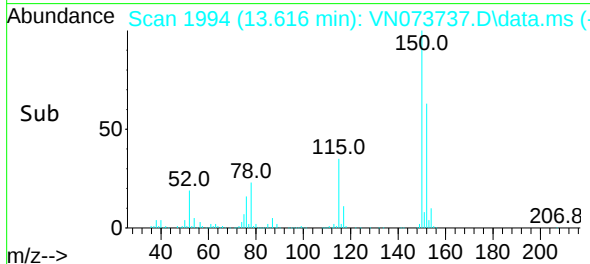
Instrument :
MSVOA_N
ClientSampleId :
MW-12



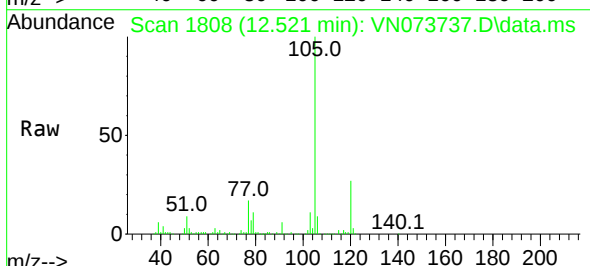
Tgt Ion:152 Resp: 32152
Ion Ratio Lower Upper
152 100
115 57.3 28.9 86.7
150 157.1 0.0 356.2

Manual Integrations
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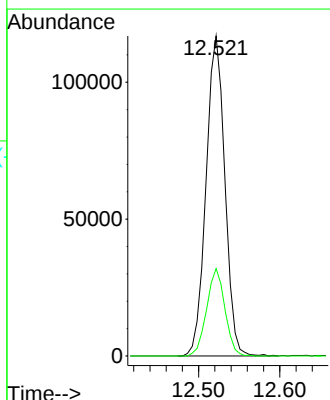
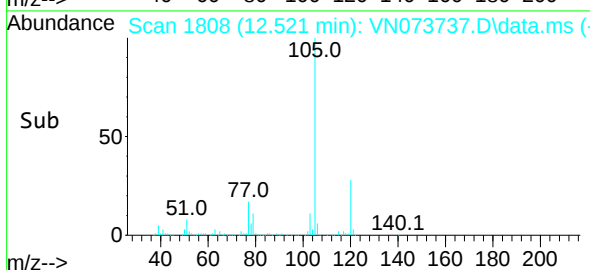
Reviewed By :John Carlone 08/05/2022
Supervised By :Mahesh Dadoda 08/05/2022

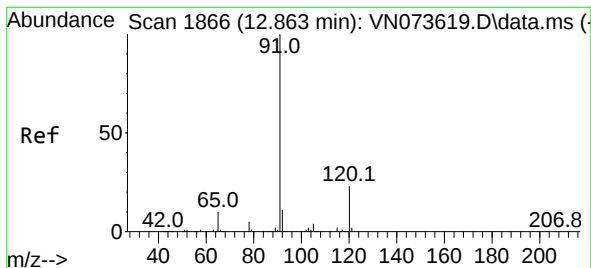


#73
Isopropylbenzene
Concen: 7.983 ug/l
RT: 12.521 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VN073737.D
Acq: 04 Aug 2022 15:30



Tgt Ion:105 Resp: 187887
Ion Ratio Lower Upper
105 100
120 26.4 13.5 40.4





#78

n-propylbenzene

Concen: 17.403 ug/l

RT: 12.863 min Scan# 1866

Delta R.T. 0.000 min

Lab File: VN073737.D

Acq: 04 Aug 2022 15:30

Instrument :

MSVOA_N

ClientSampleId :

MW-12

Tgt Ion: 91 Resp: 46088

Ion Ratio Lower Upper

91 100

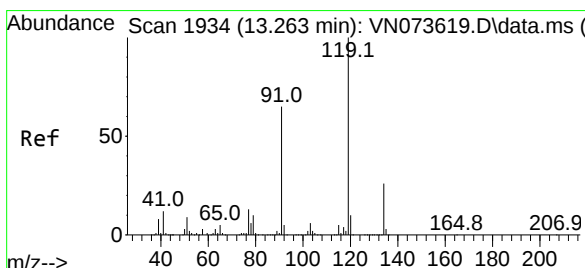
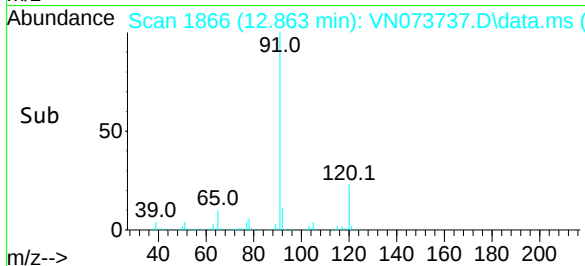
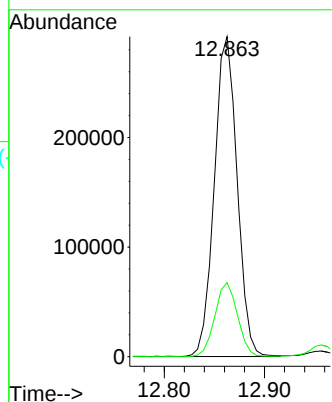
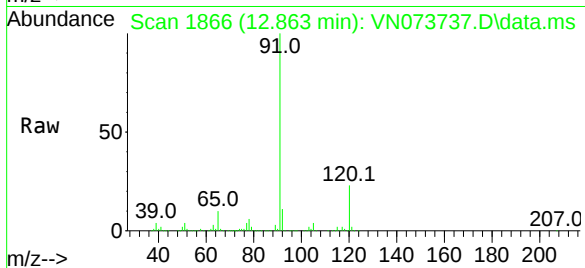
120 23.1 11.9 35.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/05/2022

Supervised By :Mahesh Dadoda 08/05/2022



#83

tert-Butylbenzene

Concen: 0.855 ug/l

RT: 13.263 min Scan# 1934

Delta R.T. 0.000 min

Lab File: VN073737.D

Acq: 04 Aug 2022 15:30

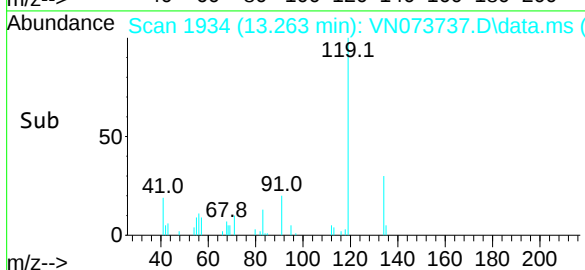
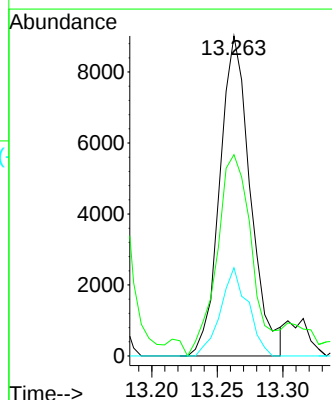
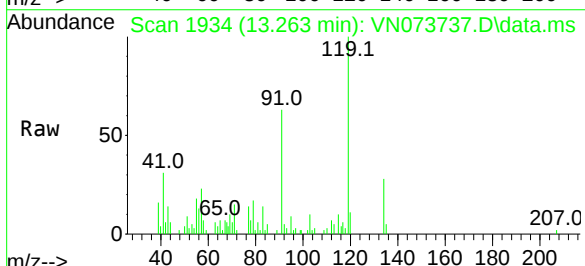
Tgt Ion:119 Resp: 14660

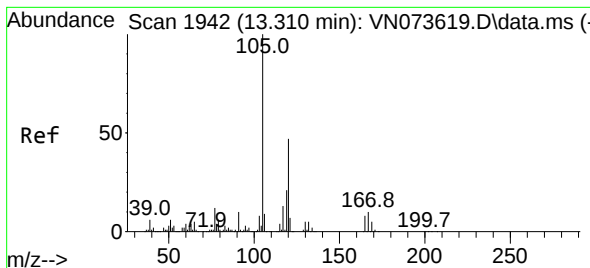
Ion Ratio Lower Upper

119 100

91 70.1 31.6 94.8

134 24.7 13.7 41.1





#84

1,2,4-Trimethylbenzene

Concen: 0.662 ug/l

RT: 13.310 min Scan# 1942

Delta R.T. 0.000 min

Lab File: VN073737.D

Acq: 04 Aug 2022 15:30

Instrument :

MSVOA_N

ClientSampleId :

MW-12

Tgt Ion:105 Resp: 12614

Ion Ratio Lower Upper

105 100

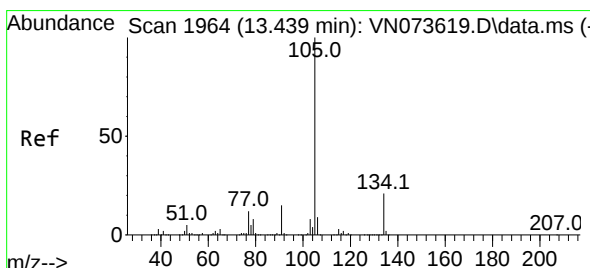
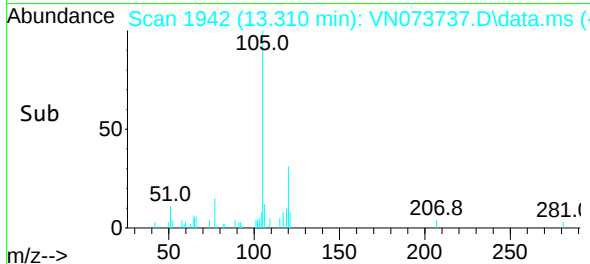
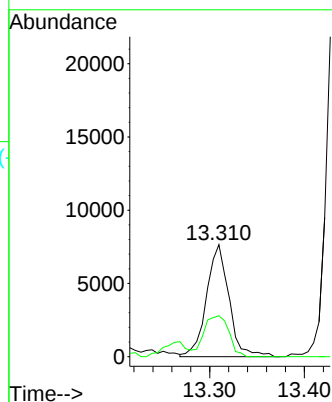
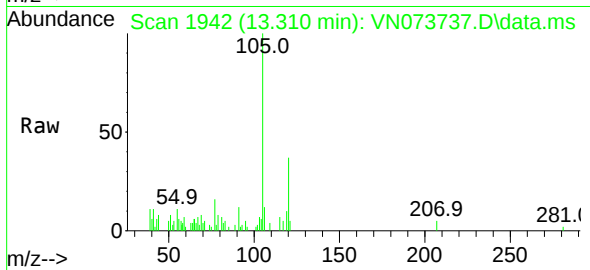
120 40.4 23.3 69.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/05/2022

Supervised By :Mahesh Dadoda 08/05/2022



#85

sec-Butylbenzene

Concen: 3.513 ug/l

RT: 13.439 min Scan# 1964

Delta R.T. 0.000 min

Lab File: VN073737.D

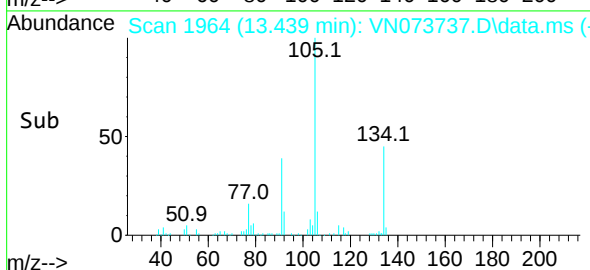
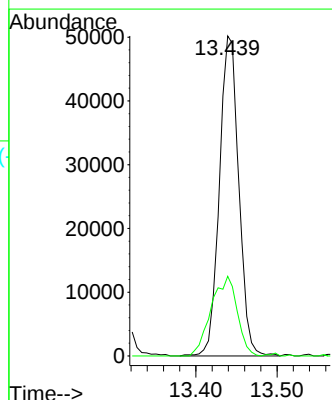
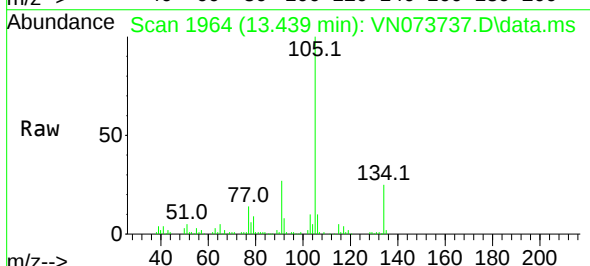
Acq: 04 Aug 2022 15:30

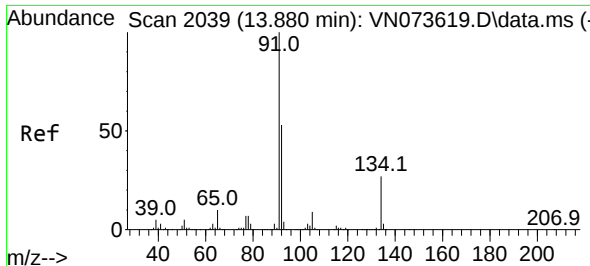
Tgt Ion:105 Resp: 83299

Ion Ratio Lower Upper

105 100

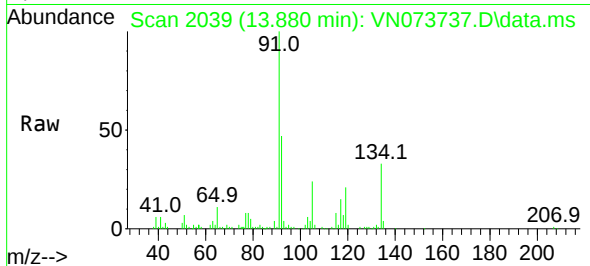
134 33.4 10.4 31.1#





#89
n-Butylbenzene
Concen: 4.579 ug/l m
RT: 13.880 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VN073737.D
Acq: 04 Aug 2022 15:30

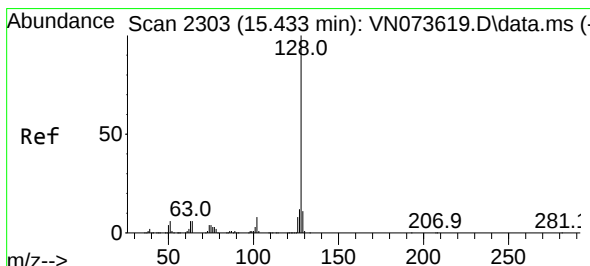
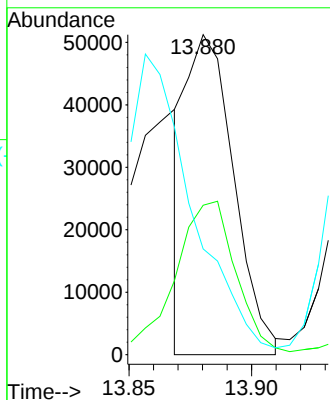
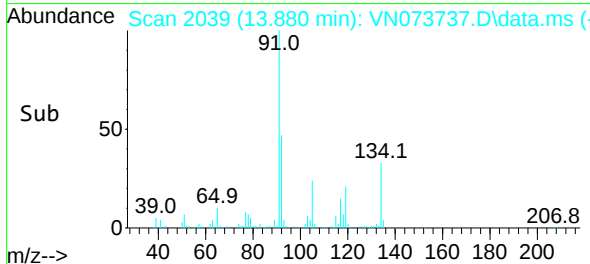
Instrument :
MSVOA_N
ClientSampleId :
MW-12



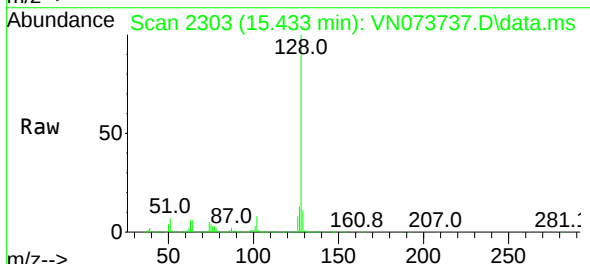
Tgt Ion: 91 Resp: 69640
Ion Ratio Lower Upper
91 100
92 60.3 26.9 80.7
134 0.0 13.6 40.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/05/2022
Supervised By :Mahesh Dadoda 08/05/2022



#95
Naphthalene
Concen: 215.357 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN073737.D
Acq: 04 Aug 2022 15:30



Tgt Ion:128 Resp: 3934477
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.7 8.6 13.0

