

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081722\
 Data File : VN073975.D
 Acq On : 17 Aug 2022 14:44
 Operator : JC\MD
 Sample : N4204-21DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-10DL

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/18/2022
 Supervised By : Mahesh Dadoda 08/18/2022

Quant Time: Aug 18 00:45:05 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	671279	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	969172	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	917416	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	533833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	308452	47.177	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.360%		
35) Dibromofluoromethane	7.951	113	304577	53.140	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	106.280%		
50) Toluene-d8	10.381	98	1021758	46.029	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.060%		
62) 4-Bromofluorobenzene	12.675	95	451587	61.298	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	122.600%		
Target Compounds					Qvalue	
31) Cyclohexane	8.022	56	94370	10.354	ug/l #	84
39) Methylcyclohexane	9.398	83	87191	8.741	ug/l	95
52) Toluene	10.439	92	13140	0.763	ug/l	99
67) Ethyl Benzene	11.786	91	1579926	48.726	ug/l	99
68) m/p-Xylenes	11.898	106	1098755	83.400	ug/l	98
69) o-Xylene	12.222	106	39893	3.020	ug/l	99
73) Isopropylbenzene	12.522	105	2702236	69.516	ug/l	99
78) n-propylbenzene	12.863	91	2765920	66.752	ug/l	98
80) 1,3,5-Trimethylbenzene	12.998	105	2808406	88.823	ug/l	95
84) 1,2,4-Trimethylbenzene	13.310	105	10981834	347.812	ug/l	97
85) sec-Butylbenzene	13.439	105	68031m	1.804	ug/l	
86) p-Isopropyltoluene	13.557	119	18100m	0.563	ug/l	
89) n-Butylbenzene	13.880	91	42230	1.659	ug/l #	60
95) Naphthalene	15.433	128	1563199	41.810	ug/l	100

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

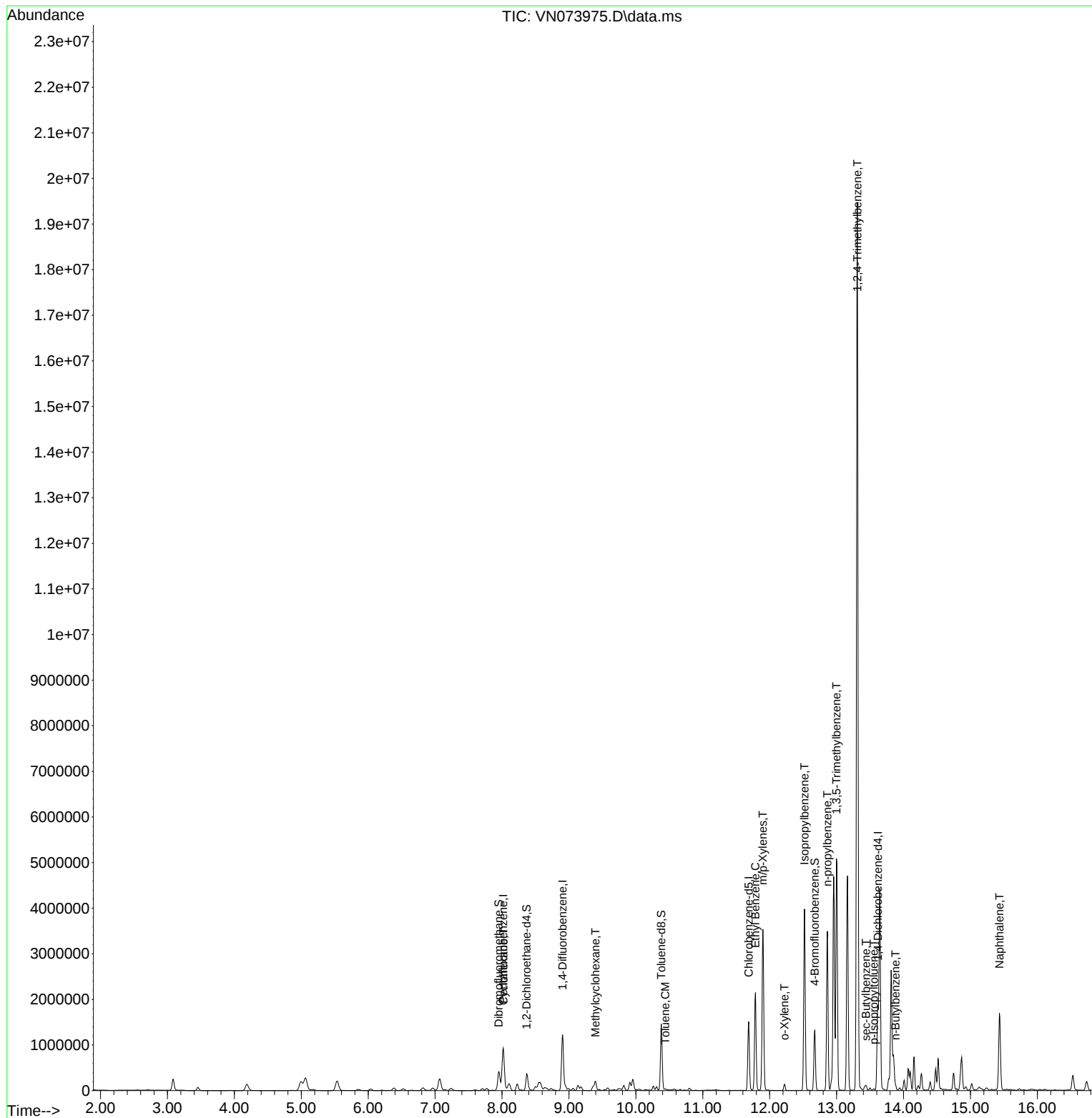
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081722\
Data File : VN073975.D
Acq On : 17 Aug 2022 14:44
Operator : JC\MD
Sample : N4204-21DL 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

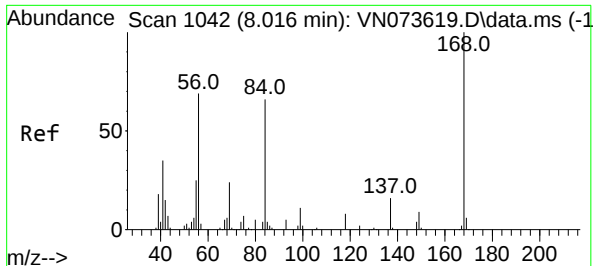
Instrument :
MSVOA_N
ClientSampleId :
MW-10DL

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/18/2022
Supervised By :Mahesh Dadoda 08/18/2022

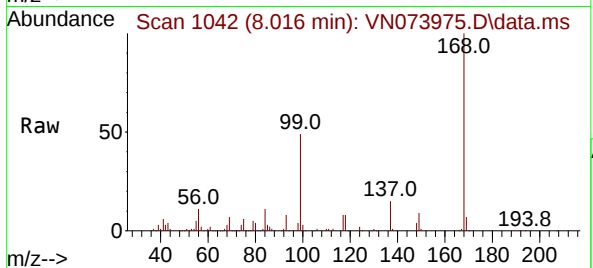
Quant Time: Aug 18 00:45:05 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 16 00:45:21 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073975.D
Acq: 17 Aug 2022 14:44

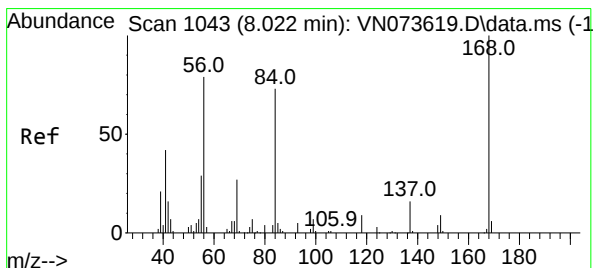
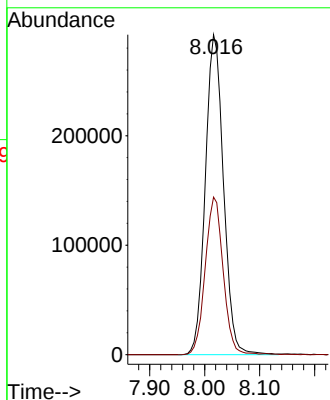
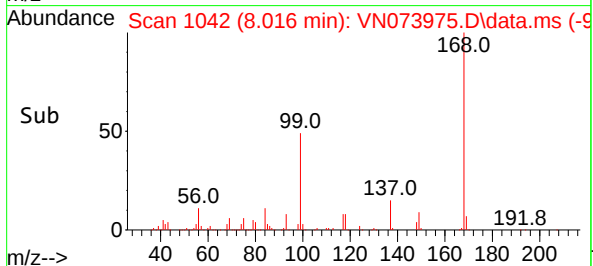
Instrument :
MSVOA_N
ClientSampleId :
MW-10DL



Tgt Ion:168 Resp: 671279
Ion Ratio Lower Upper
168 100
99 49.3 42.3 63.5

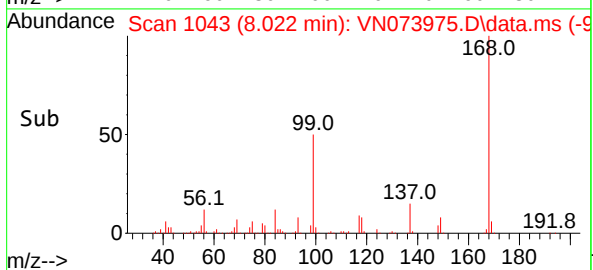
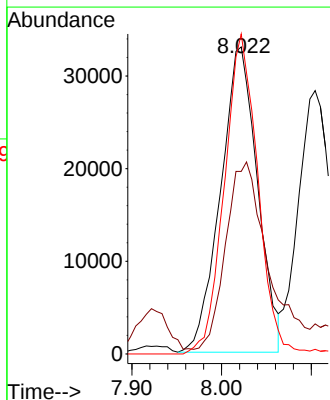
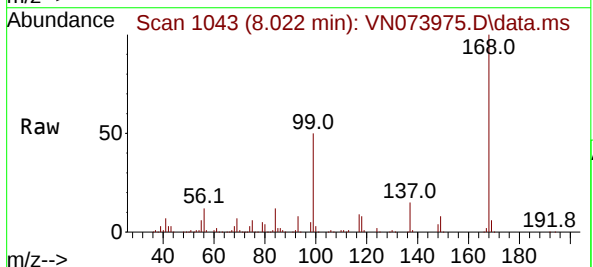
Manual Integrations
APPROVED

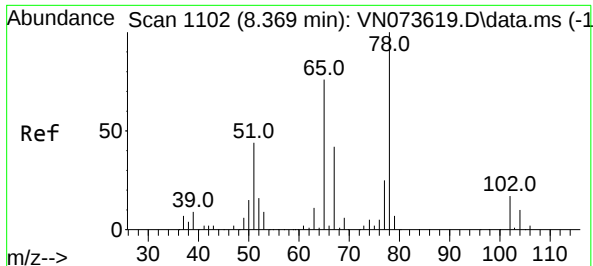
Reviewed By :John Carlone 08/18/2022
Supervised By :Mahesh Dadoda 08/18/2022



#31
Cyclohexane
Concen: 10.354 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VN073975.D
Acq: 17 Aug 2022 14:44

Tgt Ion: 56 Resp: 94370
Ion Ratio Lower Upper
56 100
69 55.2 27.8 41.8#
84 104.8 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 47.177 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073975.D

Acq: 17 Aug 2022 14:44

Instrument :

MSVOA_N

ClientSampleId :

MW-10DL

Tgt Ion: 65 Resp: 308452

Ion Ratio Lower Upper

65 100

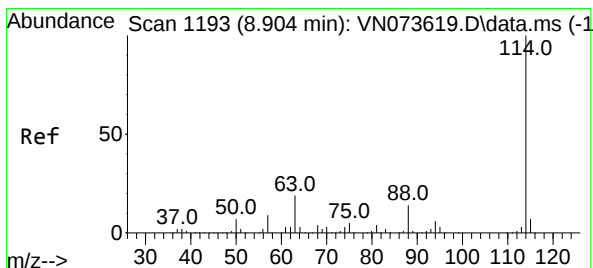
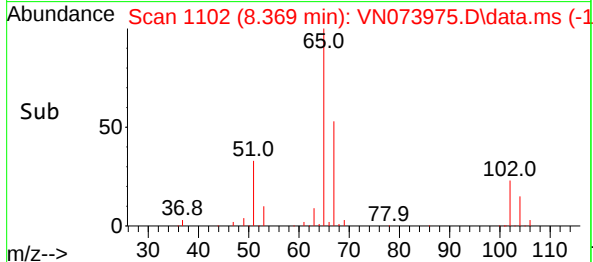
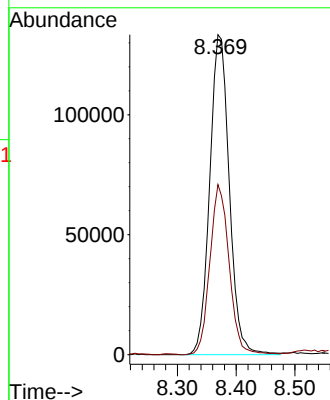
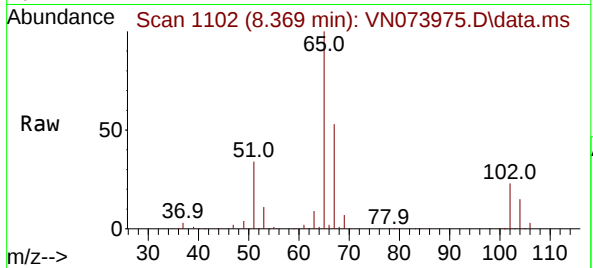
67 52.4 0.0 104.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2022

Supervised By :Mahesh Dadoda 08/18/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN073975.D

Acq: 17 Aug 2022 14:44

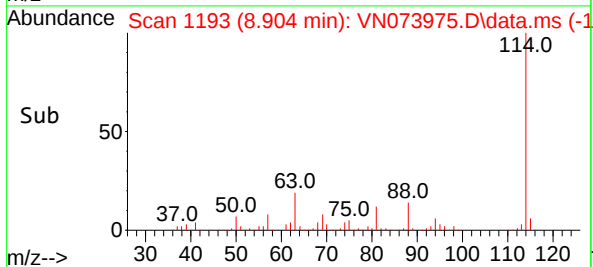
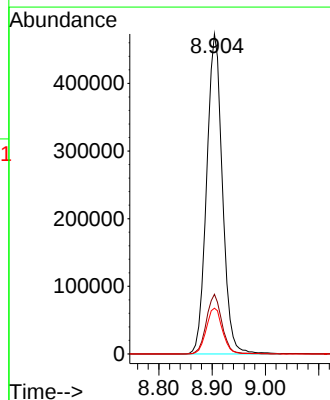
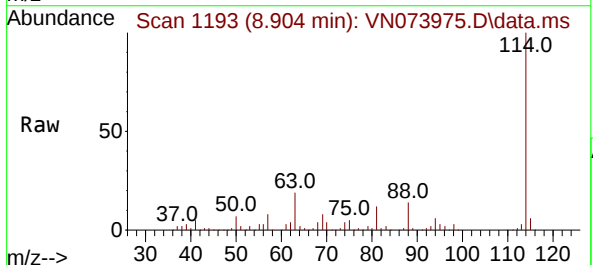
Tgt Ion:114 Resp: 969172

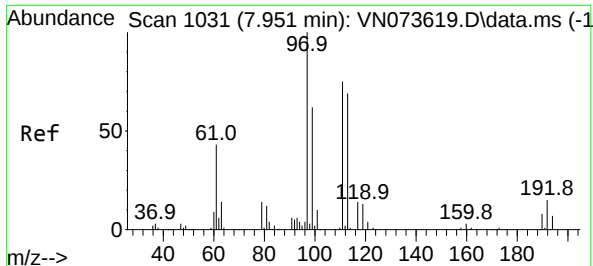
Ion Ratio Lower Upper

114 100

63 18.6 0.0 40.0

88 14.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 53.140 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073975.D

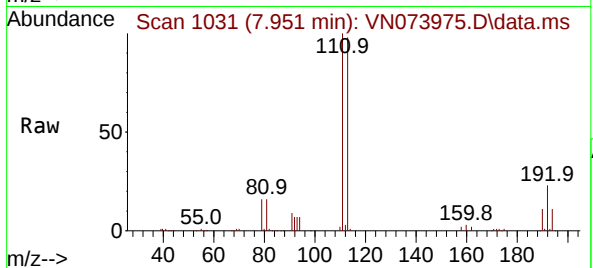
Acq: 17 Aug 2022 14:44

Instrument :

MSVOA_N

ClientSampleId :

MW-10DL



Tgt Ion: 113 Resp: 30457

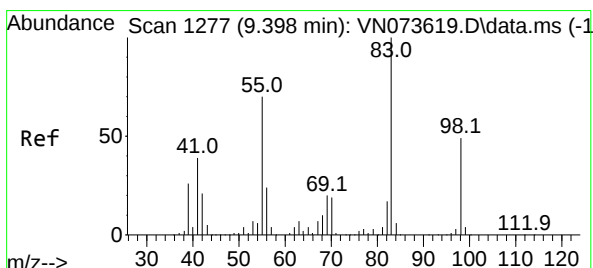
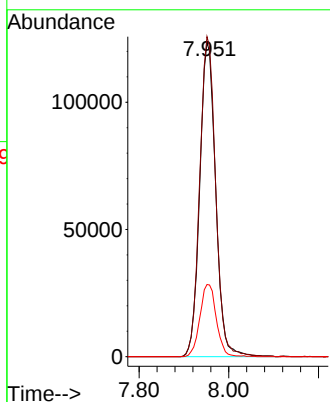
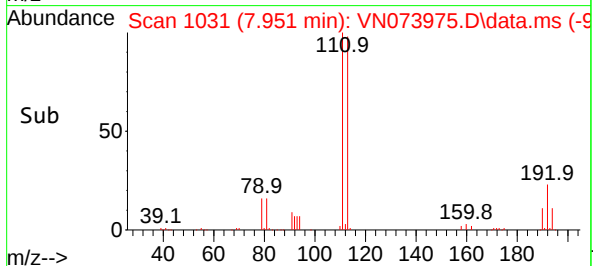
Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.4	122.0
192	23.7	17.0	25.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2022

Supervised By :Mahesh Dadoda 08/18/2022



#39

Methylcyclohexane

Concen: 8.741 ug/l

RT: 9.398 min Scan# 1277

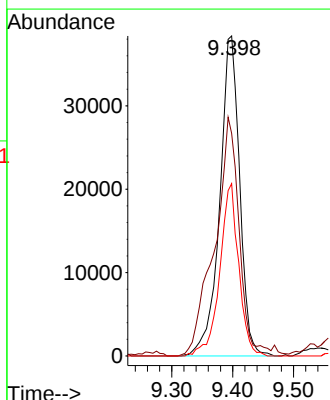
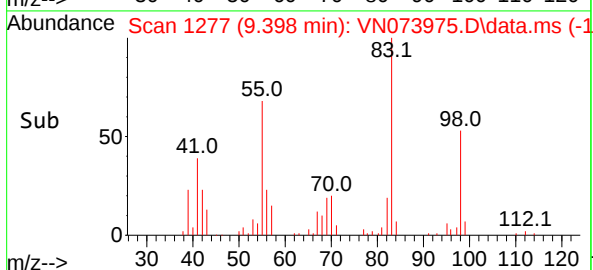
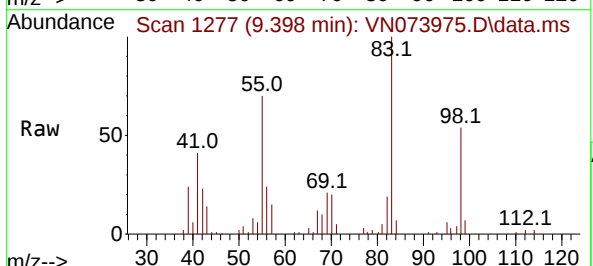
Delta R.T. 0.000 min

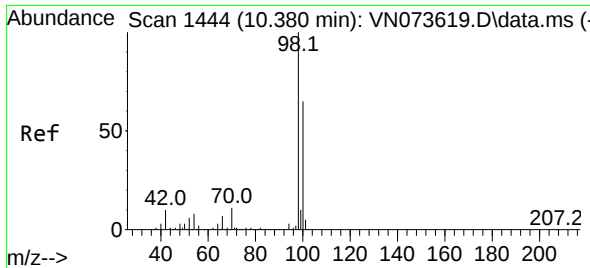
Lab File: VN073975.D

Acq: 17 Aug 2022 14:44

Tgt Ion: 83 Resp: 87191

Ion	Ratio	Lower	Upper
83	100		
55	69.5	57.8	86.8
98	53.8	39.4	59.2





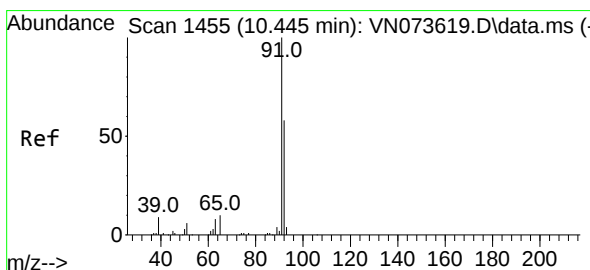
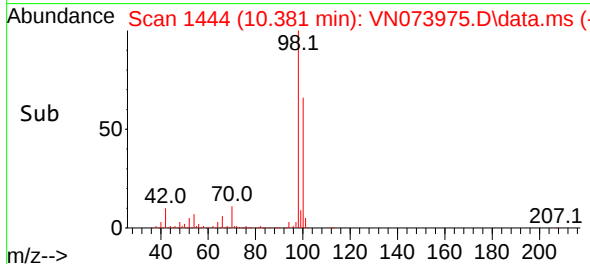
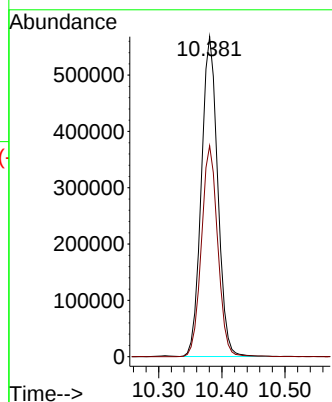
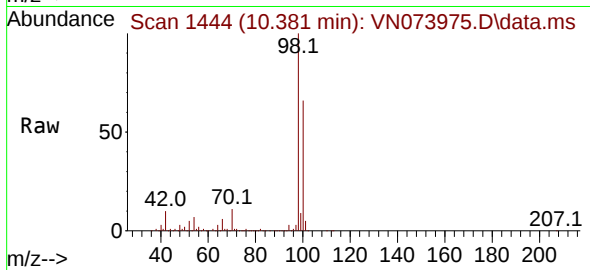
#50
Toluene-d8
Concen: 46.029 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VN073975.D
Acq: 17 Aug 2022 14:44

Instrument :
MSVOA_N
ClientSampleId :
MW-10DL

Tgt Ion: 98 Resp: 1021758
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8

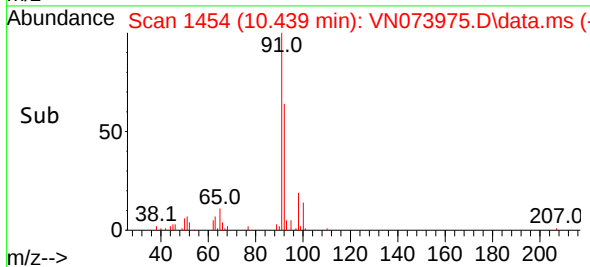
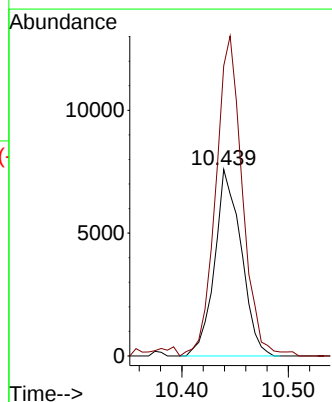
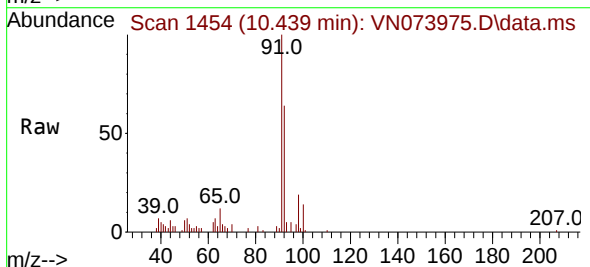
Manual Integrations
APPROVED

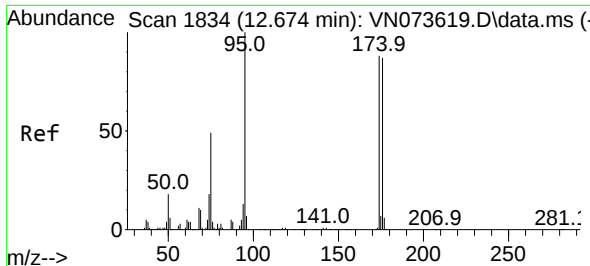
Reviewed By :John Carlone 08/18/2022
Supervised By :Mahesh Dadoda 08/18/2022



#52
Toluene
Concen: 0.763 ug/l
RT: 10.439 min Scan# 1454
Delta R.T. -0.006 min
Lab File: VN073975.D
Acq: 17 Aug 2022 14:44

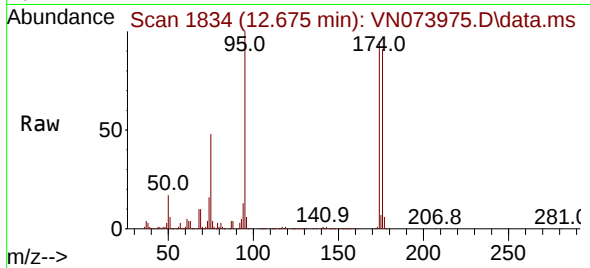
Tgt Ion: 92 Resp: 13140
Ion Ratio Lower Upper
92 100
91 172.0 138.6 207.8





#62
4-Bromofluorobenzene
Concen: 61.298 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.001 min
Lab File: VN073975.D
Acq: 17 Aug 2022 14:44

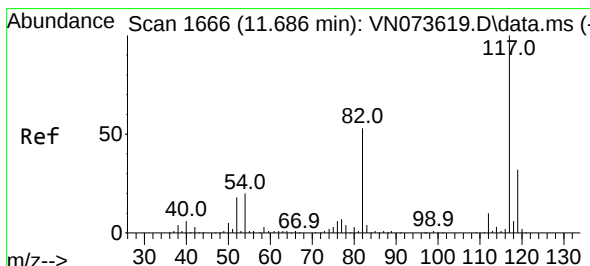
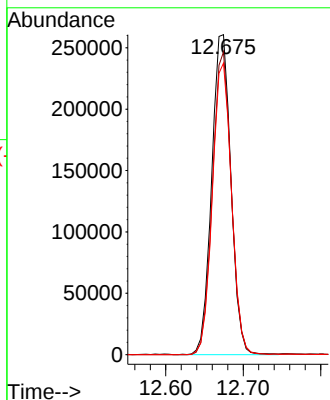
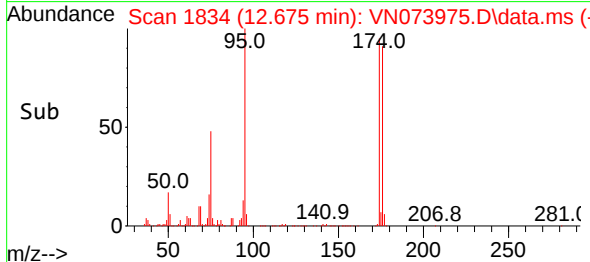
Instrument :
MSVOA_N
ClientSampleId :
MW-10DL



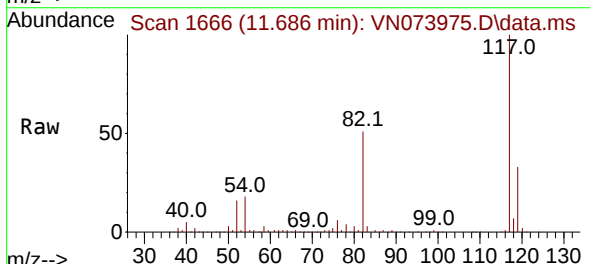
Tgt Ion: 95 Resp: 45158
Ion Ratio Lower Upper
95 100
174 92.5 0.0 167.6
176 90.3 0.0 163.4

Manual Integrations
APPROVED

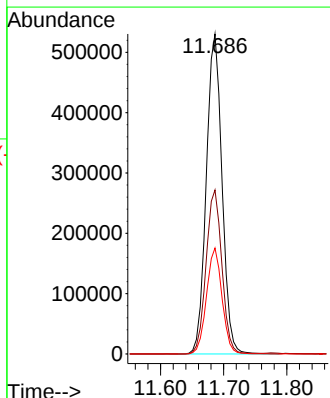
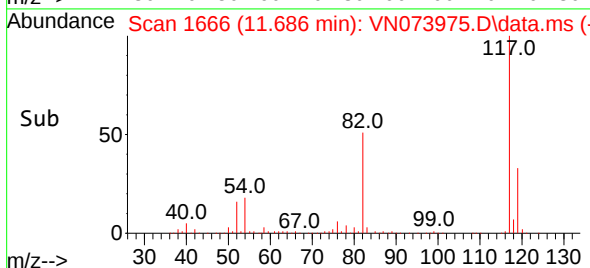
Reviewed By :John Carlone 08/18/2022
Supervised By :Mahesh Dadoda 08/18/2022

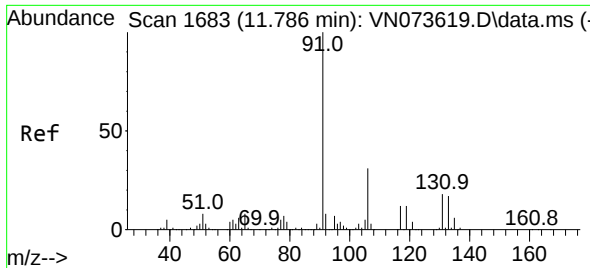


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073975.D
Acq: 17 Aug 2022 14:44



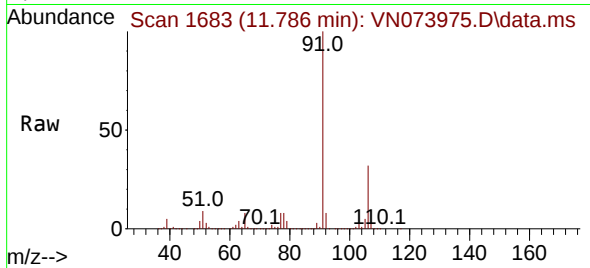
Tgt Ion:117 Resp: 917416
Ion Ratio Lower Upper
117 100
82 51.3 44.2 66.2
119 33.1 25.4 38.0





#67
Ethyl Benzene
Concen: 48.726 ug/l
RT: 11.786 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VN073975.D
Acq: 17 Aug 2022 14:44

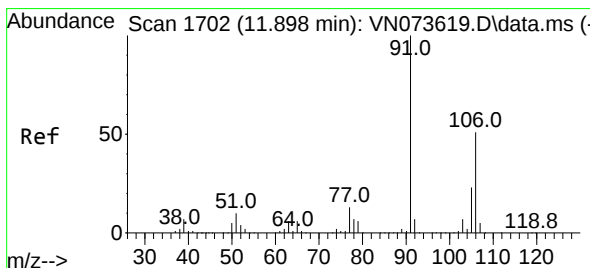
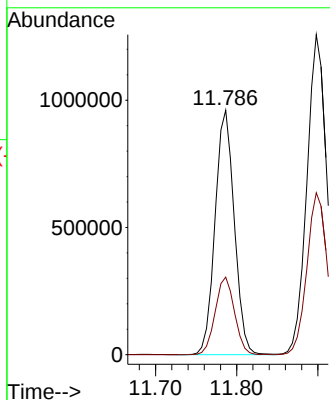
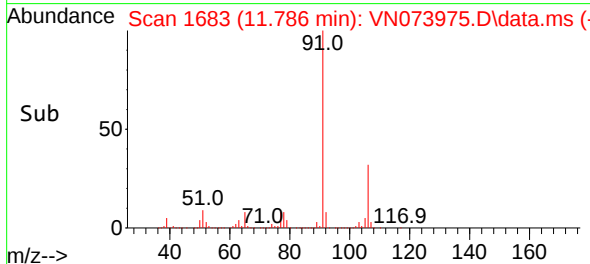
Instrument :
MSVOA_N
ClientSampleId :
MW-10DL



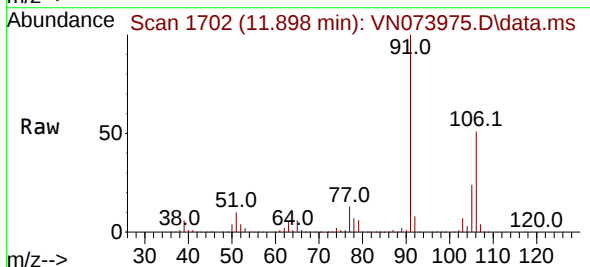
Tgt Ion: 91 Resp: 1579920
Ion Ratio Lower Upper
91 100
106 31.7 24.9 37.3

Manual Integrations
APPROVED

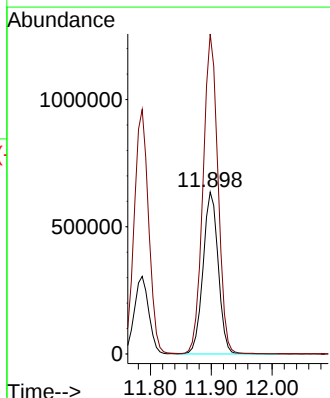
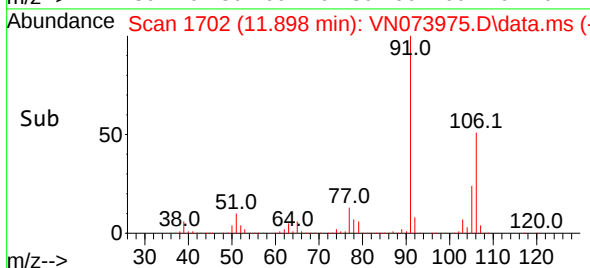
Reviewed By :John Carlone 08/18/2022
Supervised By :Mahesh Dadoda 08/18/2022

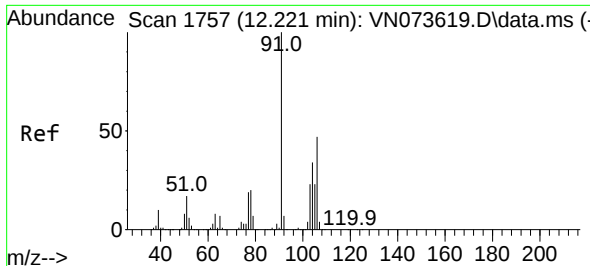


#68
m/p-Xylenes
Concen: 83.400 ug/l
RT: 11.898 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN073975.D
Acq: 17 Aug 2022 14:44



Tgt Ion:106 Resp: 1098755
Ion Ratio Lower Upper
106 100
91 194.9 158.9 238.3





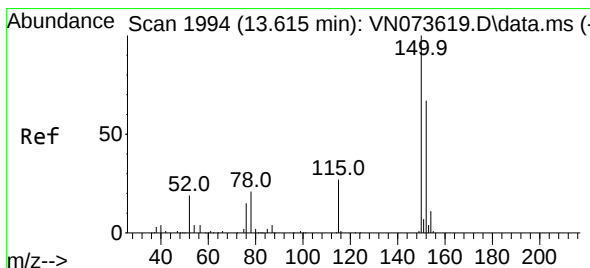
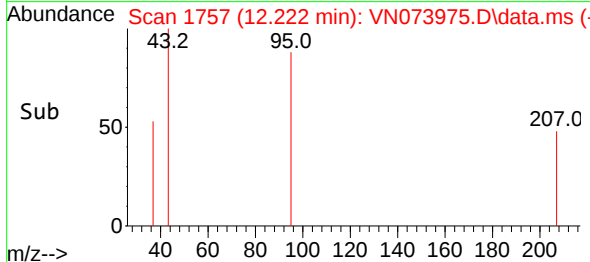
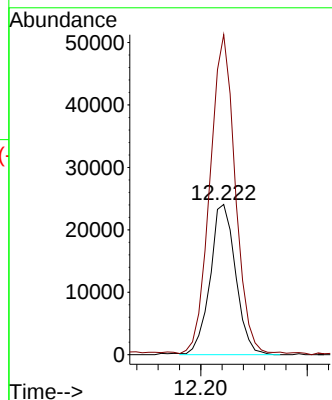
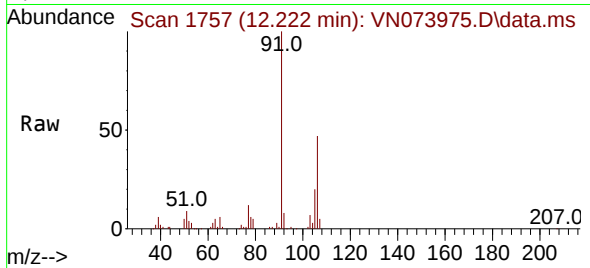
#69
o-Xylene
Concen: 3.020 ug/l
RT: 12.222 min Scan# 1757
Delta R.T. 0.001 min
Lab File: VN073975.D
Acq: 17 Aug 2022 14:44

Instrument :
MSVOA_N
ClientSampleId :
MW-10DL

Tgt Ion:106 Resp: 3989
Ion Ratio Lower Upper
106 100
91 213.8 106.0 318.0

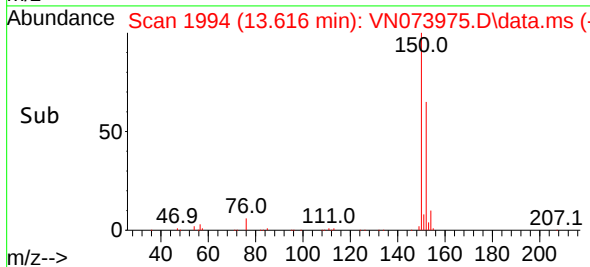
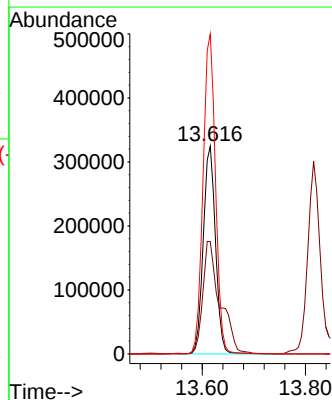
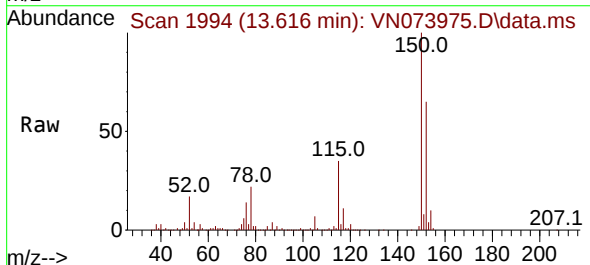
Manual Integrations
APPROVED

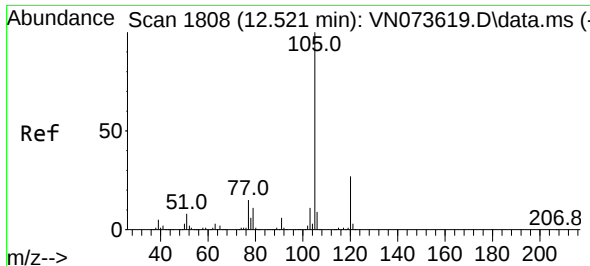
Reviewed By :John Carlone 08/18/2022
Supervised By :Mahesh Dadoda 08/18/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN073975.D
Acq: 17 Aug 2022 14:44

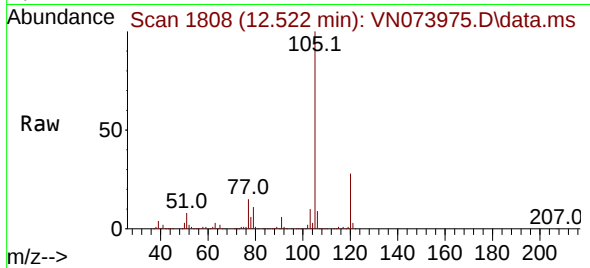
Tgt Ion:152 Resp: 533833
Ion Ratio Lower Upper
152 100
115 76.7 28.9 86.7
150 156.0 0.0 356.2





#73
Isopropylbenzene
Concen: 69.516 ug/l
RT: 12.522 min Scan# 1808
Delta R.T. 0.001 min
Lab File: VN073975.D
Acq: 17 Aug 2022 14:44

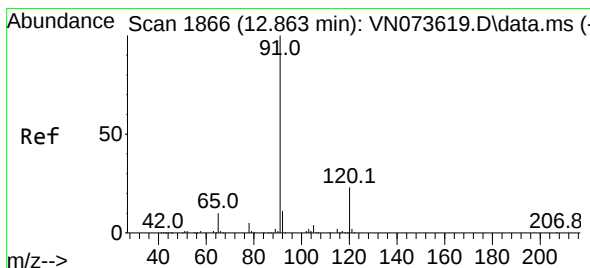
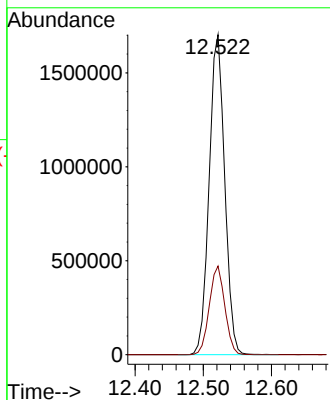
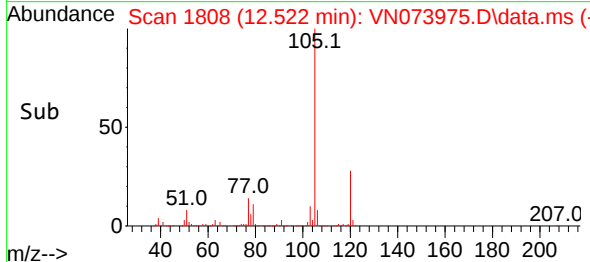
Instrument :
MSVOA_N
ClientSampleId :
MW-10DL



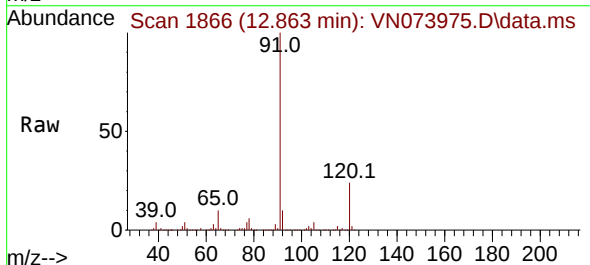
Tgt Ion:105 Resp: 2702230
Ion Ratio Lower Upper
105 100
120 27.6 13.5 40.4

Manual Integrations
APPROVED

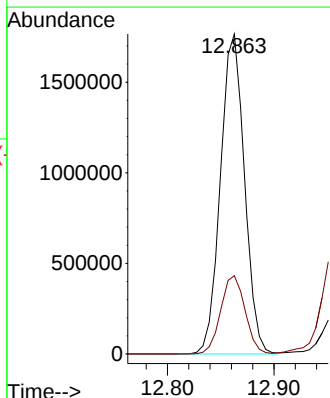
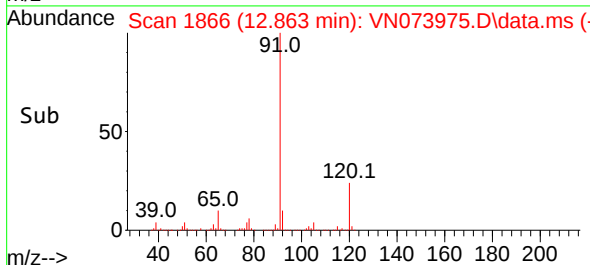
Reviewed By :John Carlone 08/18/2022
Supervised By :Mahesh Dadoda 08/18/2022

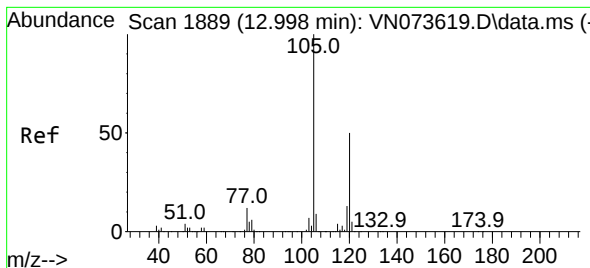


#78
n-propylbenzene
Concen: 66.752 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. -0.000 min
Lab File: VN073975.D
Acq: 17 Aug 2022 14:44



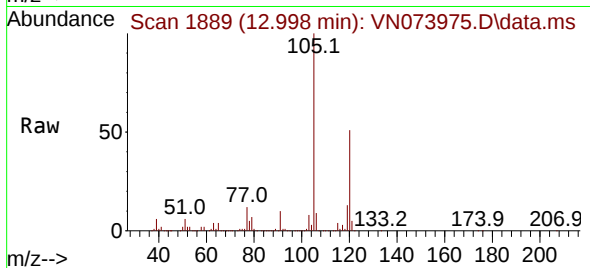
Tgt Ion: 91 Resp: 2765920
Ion Ratio Lower Upper
91 100
120 24.7 11.9 35.5





#80
 1,3,5-Trimethylbenzene
 Concen: 88.823 ug/l
 RT: 12.998 min Scan# 1889
 Delta R.T. 0.000 min
 Lab File: VN073975.D
 Acq: 17 Aug 2022 14:44

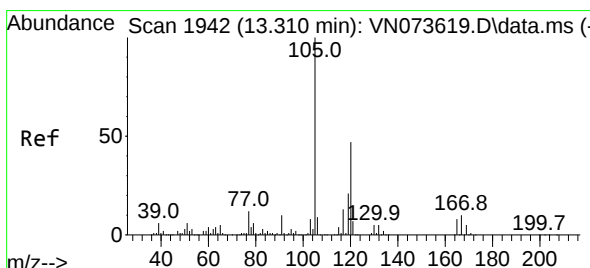
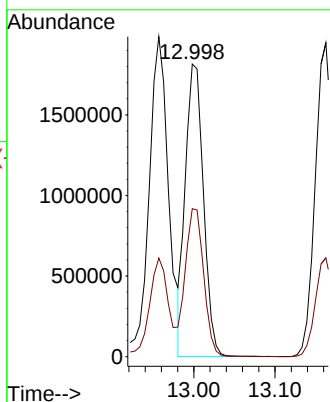
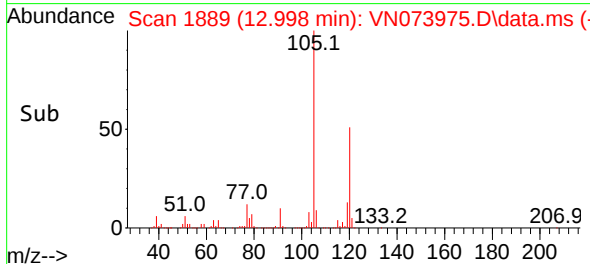
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-10DL



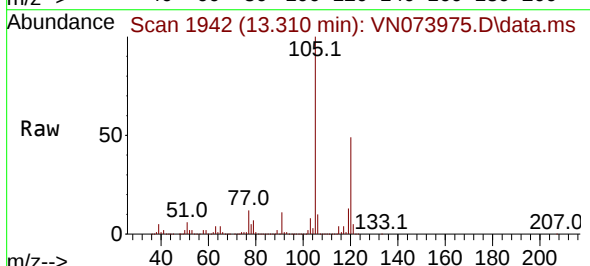
Tgt Ion:105 Resp: 2808400
 Ion Ratio Lower Upper
 105 100
 120 53.2 24.9 74.7

Manual Integrations
 APPROVED

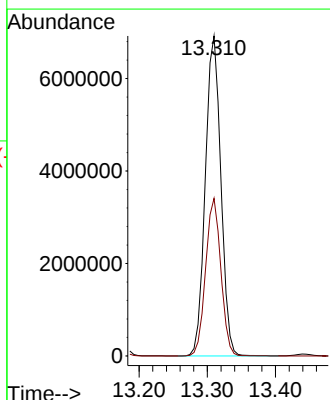
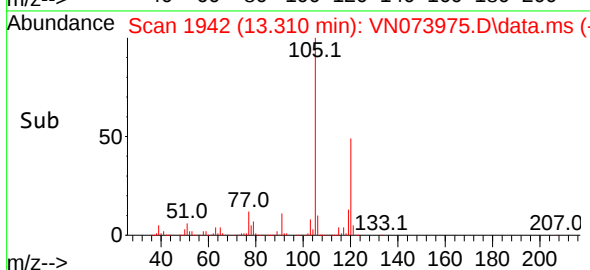
Reviewed By :John Carlone 08/18/2022
 Supervised By :Mahesh Dadoda 08/18/2022

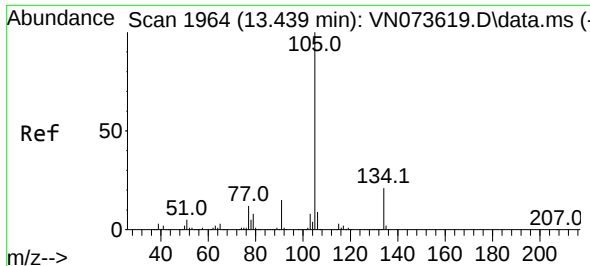


#84
 1,2,4-Trimethylbenzene
 Concen: 347.812 ug/l
 RT: 13.310 min Scan# 1942
 Delta R.T. -0.000 min
 Lab File: VN073975.D
 Acq: 17 Aug 2022 14:44



Tgt Ion:105 Resp:10981834
 Ion Ratio Lower Upper
 105 100
 120 48.3 23.3 69.8





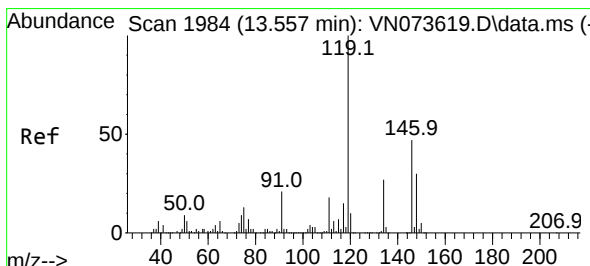
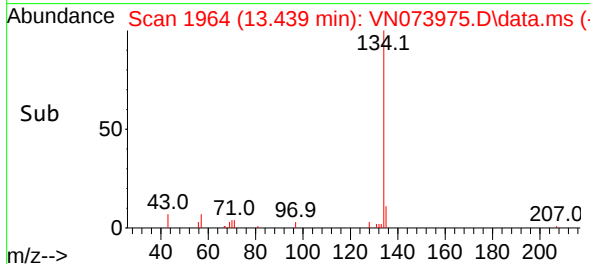
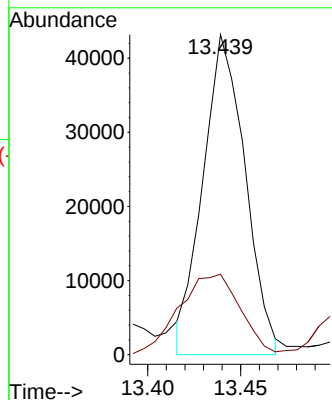
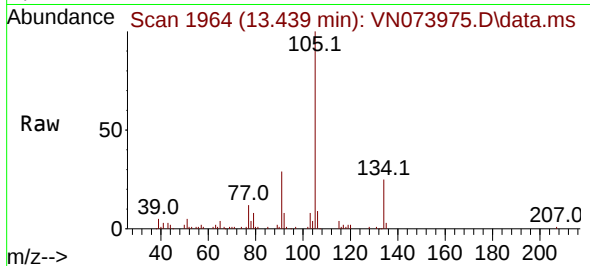
#85
 sec-Butylbenzene
 Concen: 1.804 ug/l m
 RT: 13.439 min Scan# 1964
 Delta R.T. 0.000 min
 Lab File: VN073975.D
 Acq: 17 Aug 2022 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-10DL

Tgt Ion:105 Resp: 6803
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1

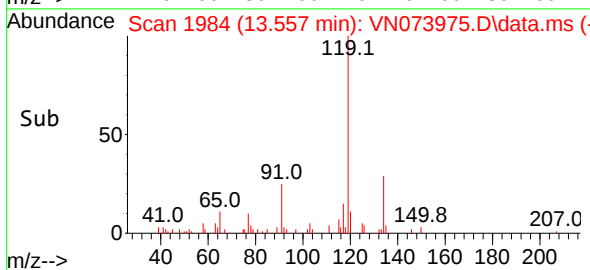
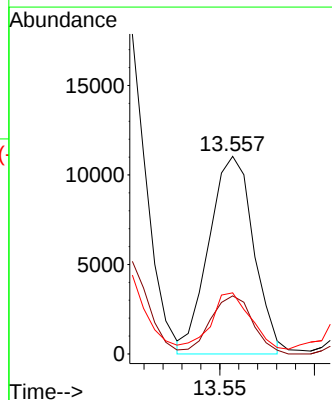
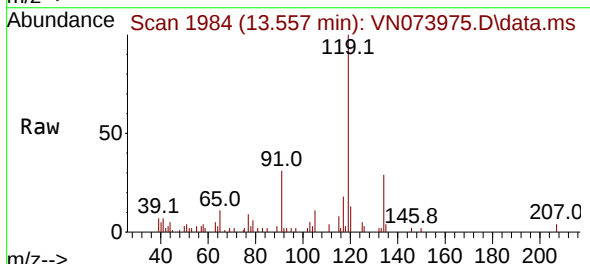
Manual Integrations
 APPROVED

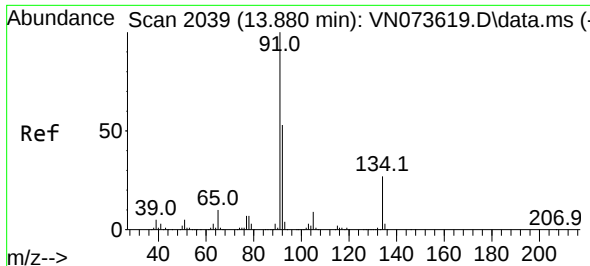
Reviewed By :John Carlone 08/18/2022
 Supervised By :Mahesh Dadoda 08/18/2022



#86
 p-Isopropyltoluene
 Concen: 0.563 ug/l m
 RT: 13.557 min Scan# 1984
 Delta R.T. -0.000 min
 Lab File: VN073975.D
 Acq: 17 Aug 2022 14:44

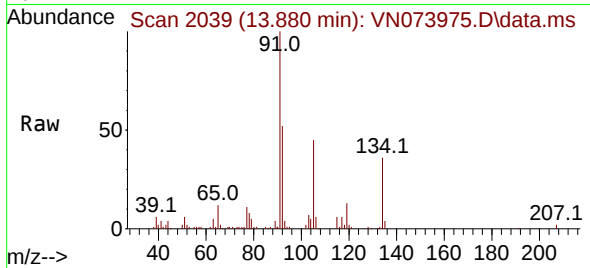
Tgt Ion:119 Resp: 18100
 Ion Ratio Lower Upper
 119 100
 134 0.0 13.3 39.8#
 91 1450.9 11.3 33.9#





#89
n-Butylbenzene
Concen: 1.659 ug/l
RT: 13.880 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VN073975.D
Acq: 17 Aug 2022 14:44

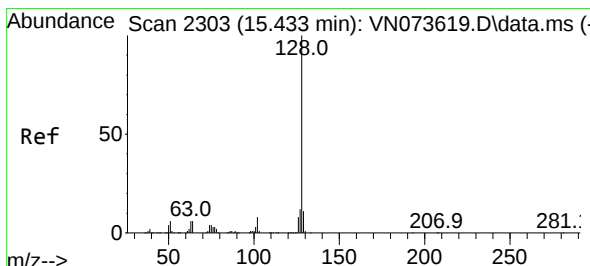
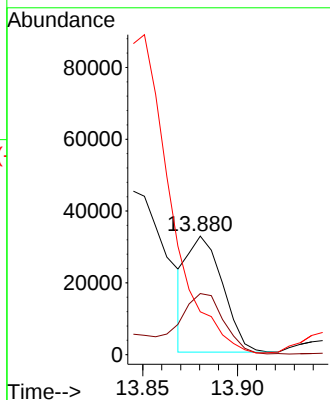
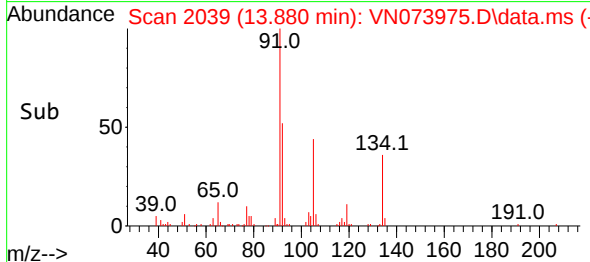
Instrument :
MSVOA_N
ClientSampleId :
MW-10DL



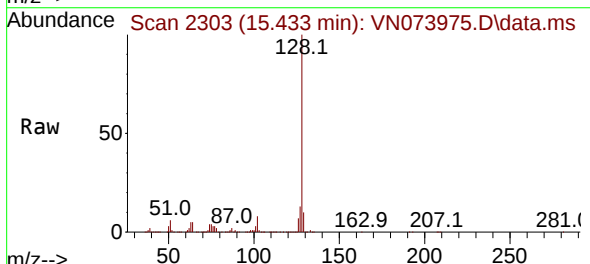
Tgt Ion: 91 Resp: 42230
Ion Ratio Lower Upper
91 100
92 78.3 26.9 80.7
134 0.0 13.6 40.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/18/2022
Supervised By :Mahesh Dadoda 08/18/2022



#95
Naphthalene
Concen: 41.810 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN073975.D
Acq: 17 Aug 2022 14:44



Tgt Ion:128 Resp: 1563199
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.7 8.6 13.0

