

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081722\
 Data File : VN073978.D
 Acq On : 17 Aug 2022 15:58
 Operator : JC\MD
 Sample : N4204-24DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1DL

Manual Integrations
 APPROVED

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

Quant Time: Aug 18 00:46:43 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	8.022	168	673160	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	959923	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	937227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	546219	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	306863	46.803	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.600%		
35) Dibromofluoromethane	7.951	113	303822	53.519	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	107.040%		
50) Toluene-d8	10.380	98	1026234	46.676	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.360%		
62) 4-Bromofluorobenzene	12.674	95	457758	62.734	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	125.460%#		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.287	59	64369	43.890	ug/l	99
19) Methyl tert-butyl Ether	5.534	73	74023	3.869	ug/l #	1
25) 2-Butanone	7.275	43	13059	2.663	ug/l #	77
31) Cyclohexane	8.022	56	114648	12.543	ug/l #	94
39) Methylcyclohexane	9.398	83	48113	4.870	ug/l	96
40) Benzene	8.392	78	1450352	58.279	ug/l	99
52) Toluene	10.445	92	8513359	498.882	ug/l	96
67) Ethyl Benzene	11.786	91	7888108	238.131	ug/l	96
68) m/p-Xylenes	11.892	106	4569671	339.524	ug/l	96
69) o-Xylene	12.222	106	1174294	87.005	ug/l	97
73) Isopropylbenzene	12.521	105	1332936	33.513	ug/l	98
78) n-propylbenzene	12.863	91	1676986	39.554	ug/l	99
80) 1,3,5-Trimethylbenzene	12.998	105	1380352	42.667	ug/l	99
84) 1,2,4-Trimethylbenzene	13.310	105	4040144	125.056	ug/l	99
85) sec-Butylbenzene	13.445	105	43336m	1.123	ug/l	
86) p-Isopropyltoluene	13.557	119	13295m	0.404	ug/l	
89) n-Butylbenzene	13.880	91	37707	1.448	ug/l #	81
95) Naphthalene	15.433	128	1271337	33.233	ug/l	99

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

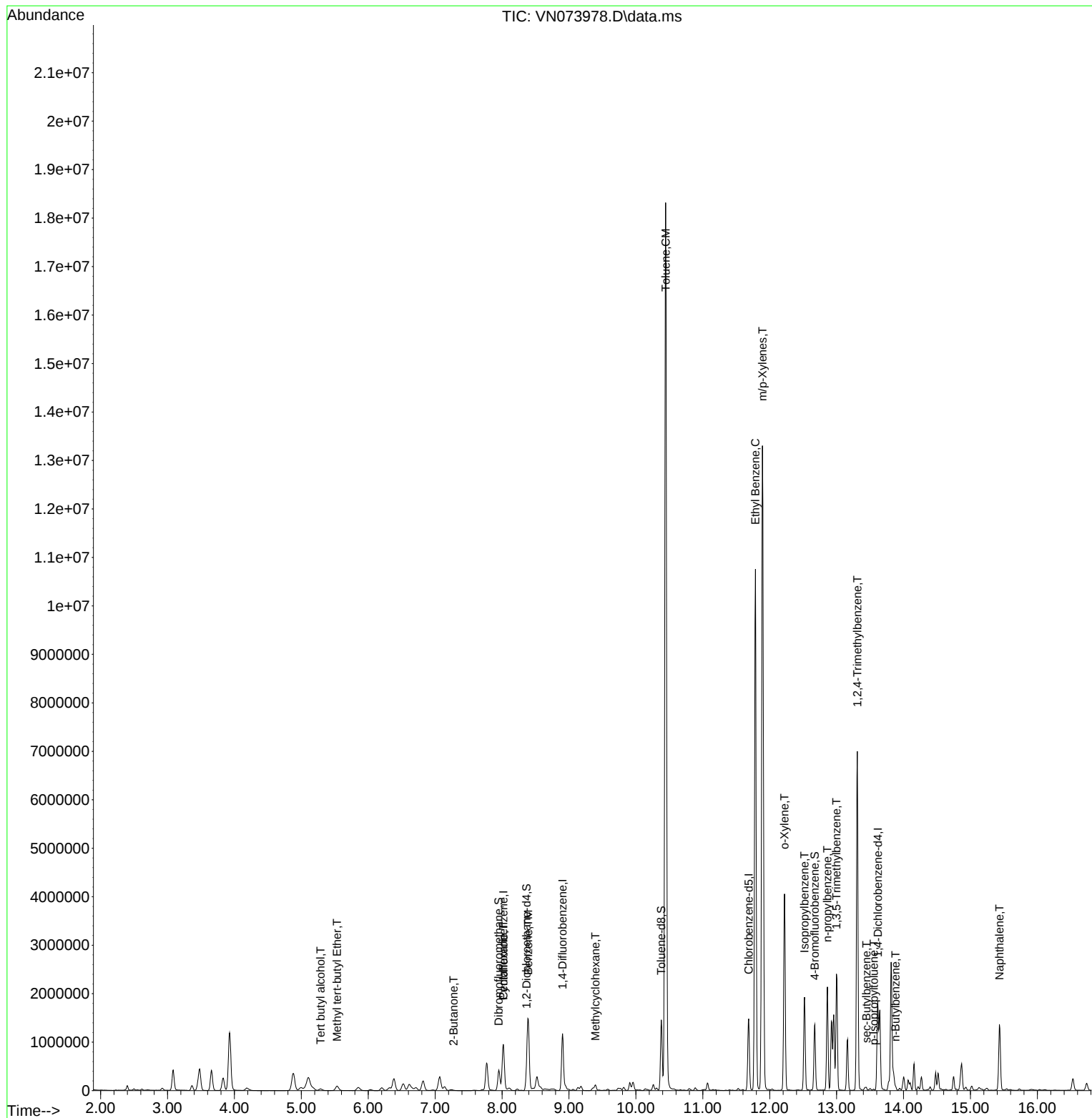
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081722\
Data File : VN073978.D
Acq On : 17 Aug 2022 15:58
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ALS Vial : 15 Sample Multiplier: 1

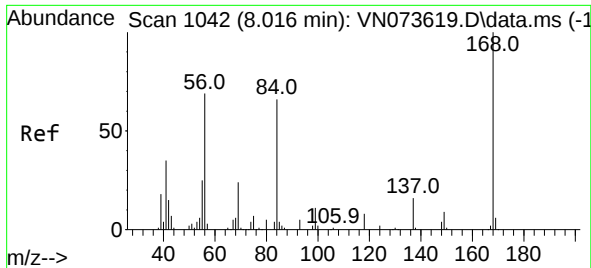
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

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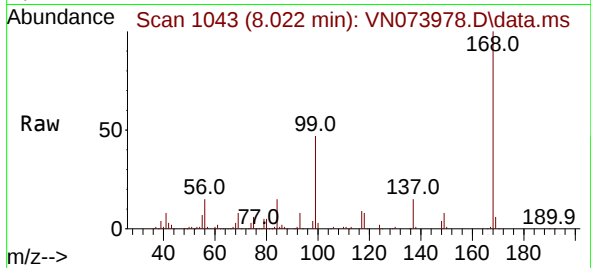
Quant Time: Aug 18 00:46:43 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 16 00:45:21 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VN073978.D
Acq: 17 Aug 2022 15:58

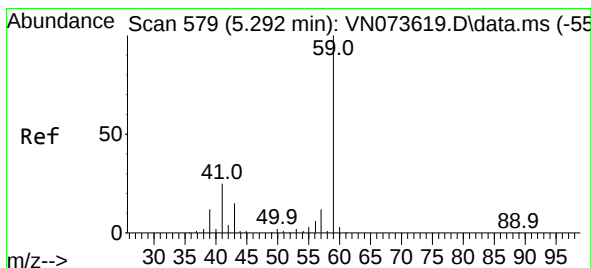
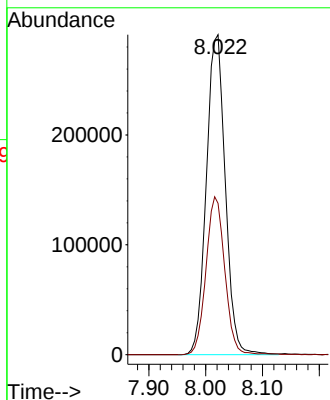
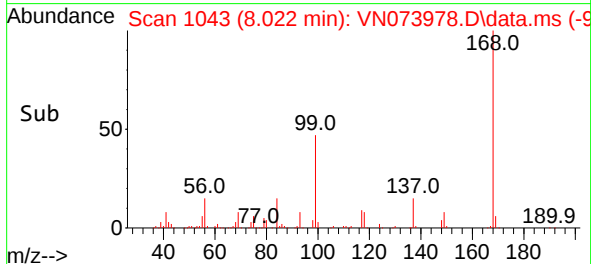
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL



Tgt Ion:168 Resp: 673160
Ion Ratio Lower Upper
168 100
99 47.3 42.3 63.5

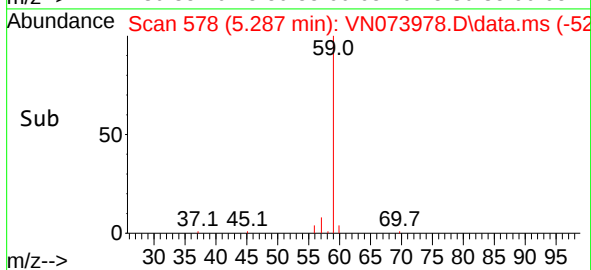
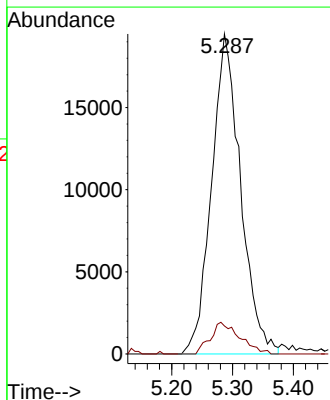
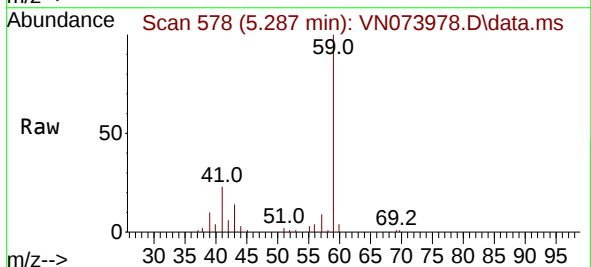
Manual Integrations
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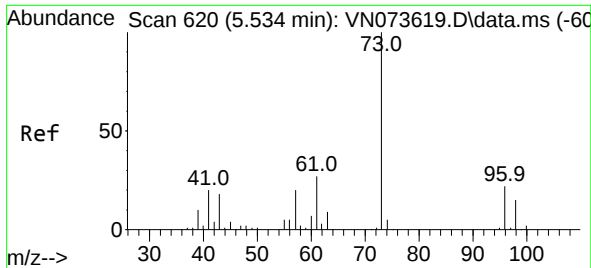
Reviewed By :John Carlone 08/18/2022
Supervised By :Mahesh Dadoda 08/18/2022



#11
Tert butyl alcohol
Concen: 43.890 ug/l
RT: 5.287 min Scan# 578
Delta R.T. -0.005 min
Lab File: VN073978.D
Acq: 17 Aug 2022 15:58

Tgt Ion: 59 Resp: 64369
Ion Ratio Lower Upper
59 100
57 10.0 8.3 12.5





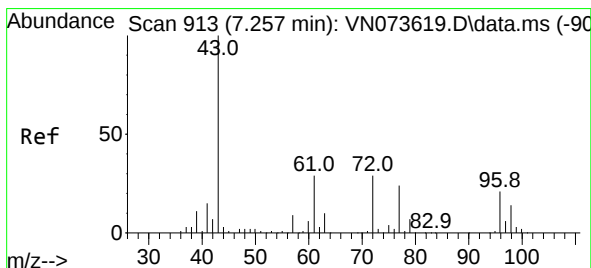
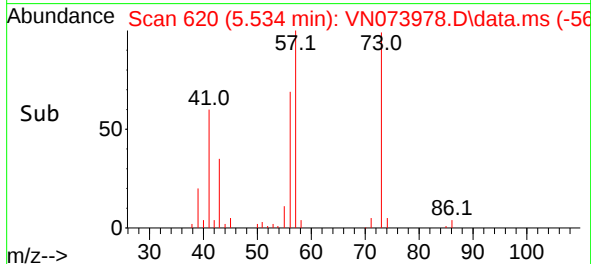
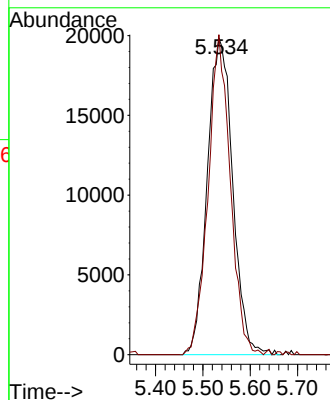
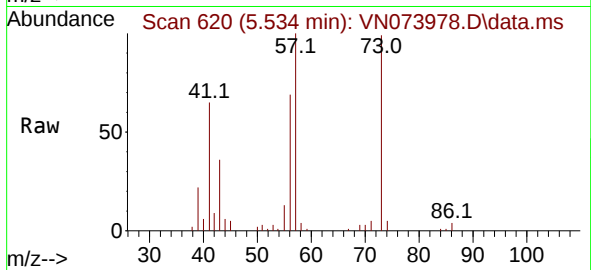
#19
Methyl tert-butyl Ether
Concen: 3.869 ug/l
RT: 5.534 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN073978.D
Acq: 17 Aug 2022 15:58

Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

Tgt Ion: 73 Resp: 7402
Ion Ratio Lower Upper
73 100
57 101.1 17.6 26.4

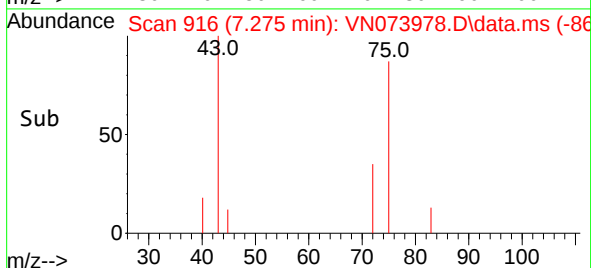
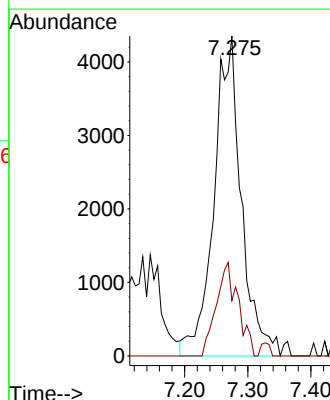
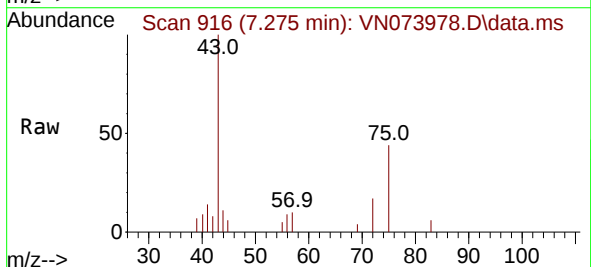
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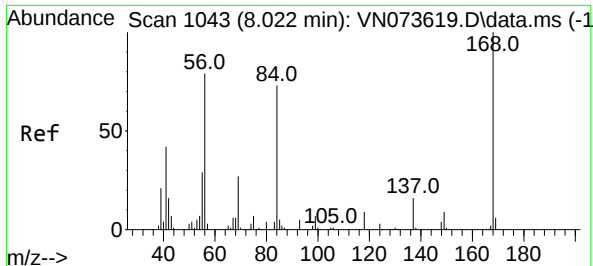
Reviewed By :John Carbone 08/18/2022
Supervised By :Mahesh Dadoda 08/18/2022



#25
2-Butanone
Concen: 2.663 ug/l
RT: 7.275 min Scan# 916
Delta R.T. 0.018 min
Lab File: VN073978.D
Acq: 17 Aug 2022 15:58

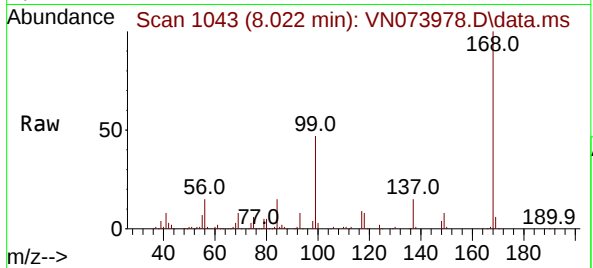
Tgt Ion: 43 Resp: 13059
Ion Ratio Lower Upper
43 100
72 17.3 23.7 35.5





#31
Cyclohexane
Concen: 12.543 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VN073978.D
Acq: 17 Aug 2022 15:58

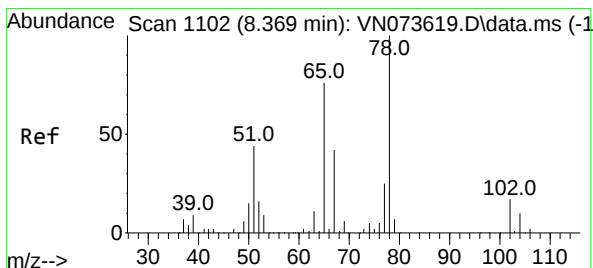
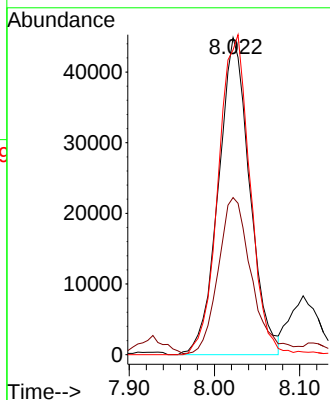
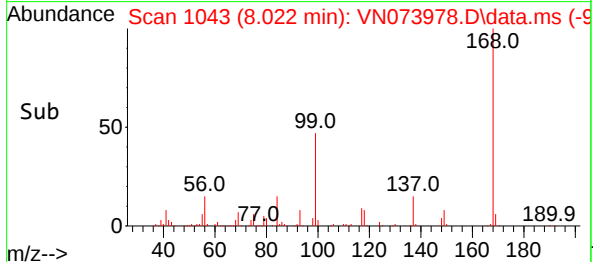
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL



Tgt Ion: 56 Resp: 114648
Ion Ratio Lower Upper
56 100
69 48.4 27.8 41.8
84 96.2 76.9 115.3

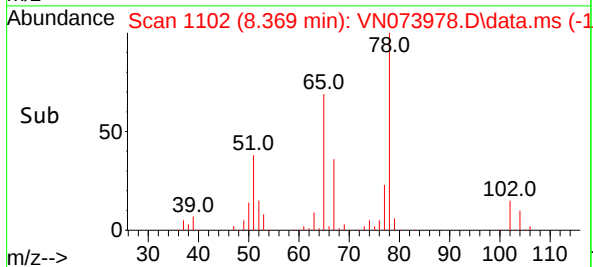
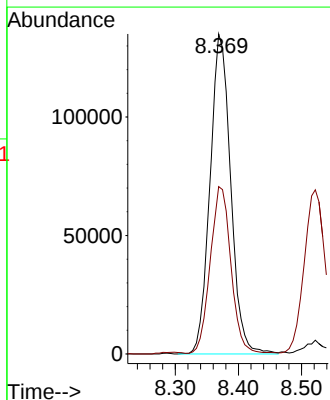
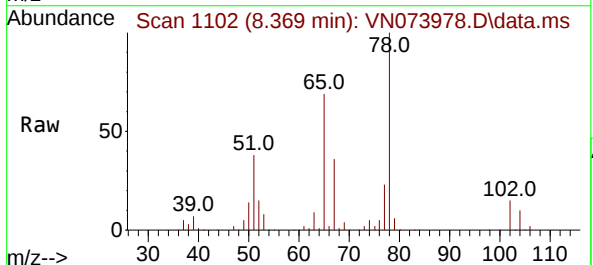
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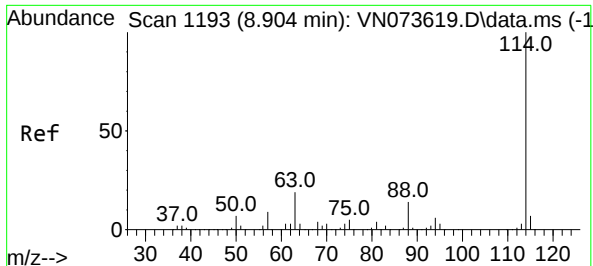
Reviewed By :John Carlone 08/18/2022
Supervised By :Mahesh Dadoda 08/18/2022



#33
1,2-Dichloroethane-d4
Concen: 46.803 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073978.D
Acq: 17 Aug 2022 15:58

Tgt Ion: 65 Resp: 306863
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: VN073978.D

Acq: 17 Aug 2022 15:58

Instrument :

MSVOA_N

ClientSampleId :

MW-1DL

Tgt Ion:114 Resp: 95992

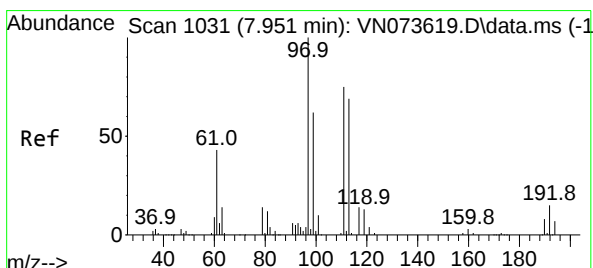
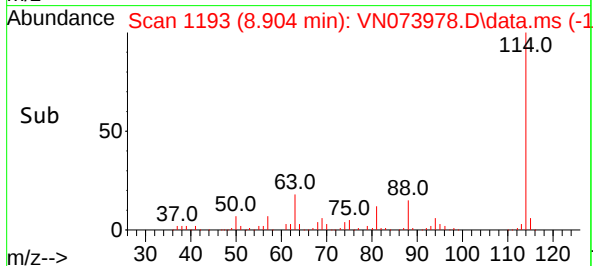
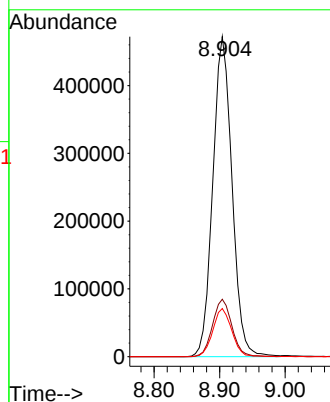
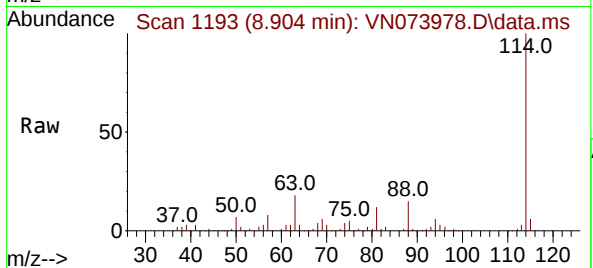
Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	40.0
88	15.1	0.0	32.6

Manual Integrations

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Reviewed By :John Carlone 08/18/2022

Supervised By :Mahesh Dadoda 08/18/2022



#35

Dibromofluoromethane

Concen: 53.519 ug/l

RT: 7.951 min Scan# 1031

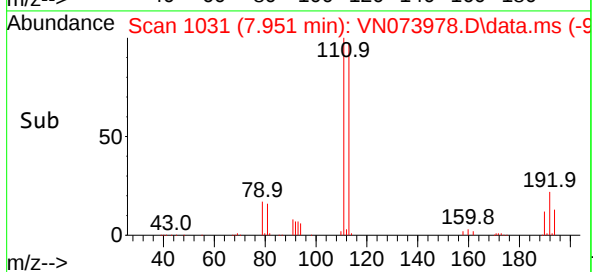
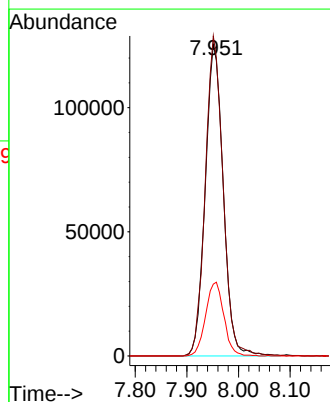
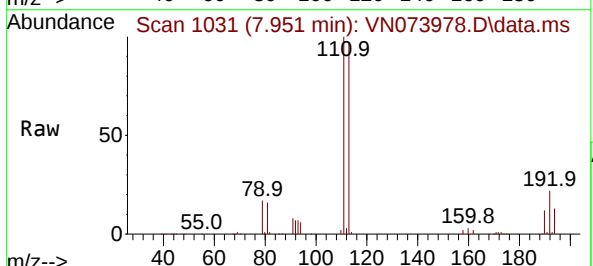
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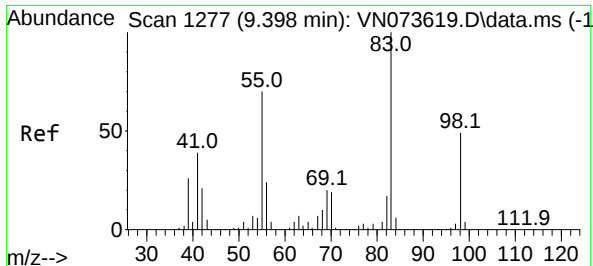
Lab File: VN073978.D

Acq: 17 Aug 2022 15:58

Tgt Ion:113 Resp: 303822

Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.4	122.0
192	24.0	17.0	25.6





#39

Methylcyclohexane

Concen: 4.870 ug/l

RT: 9.398 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VN073978.D

Acq: 17 Aug 2022 15:58

Instrument :

MSVOA_N

ClientSampleId :

MW-1DL

Tgt Ion: 83 Resp: 4811

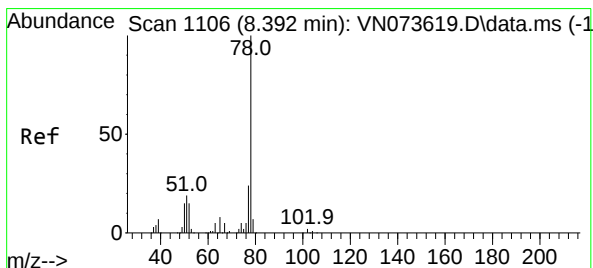
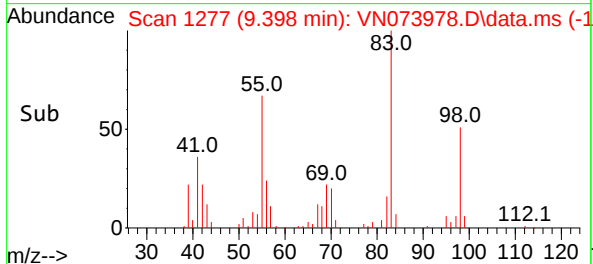
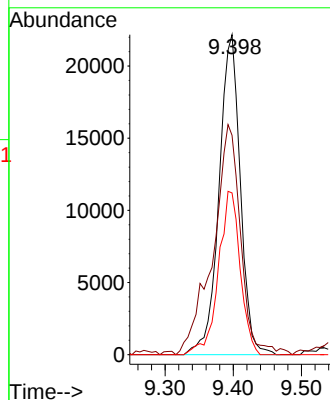
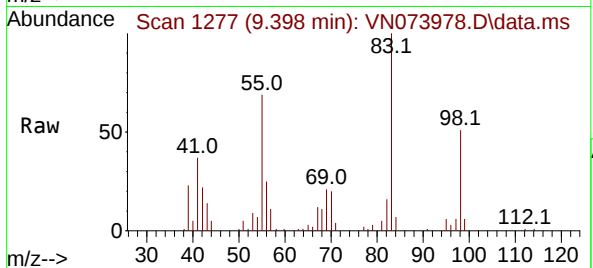
Ion	Ratio	Lower	Upper
83	100		
55	67.4	57.8	86.8
98	50.6	39.4	59.2

Manual Integrations

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#40

Benzene

Concen: 58.279 ug/l

RT: 8.392 min Scan# 1106

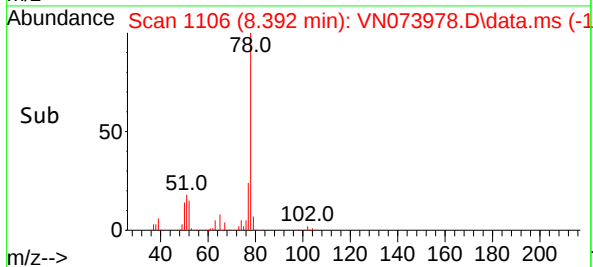
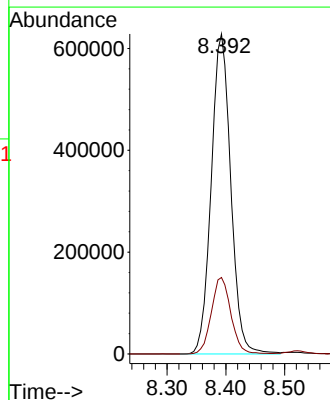
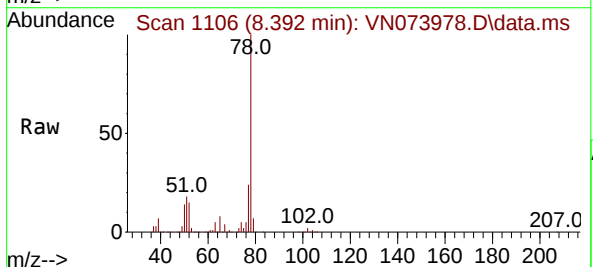
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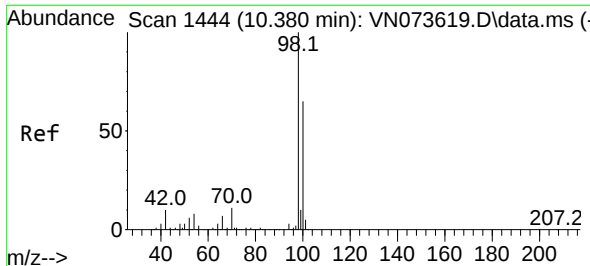
Lab File: VN073978.D

Acq: 17 Aug 2022 15:58

Tgt Ion: 78 Resp: 1450352

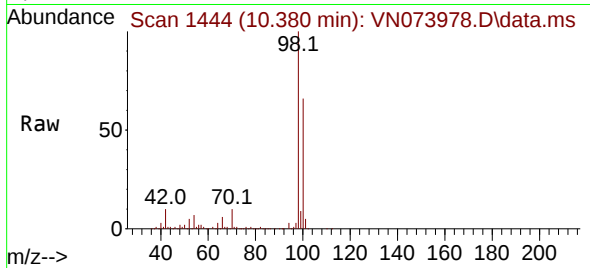
Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.4	29.0





#50
Toluene-d8
Concen: 46.676 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073978.D
Acq: 17 Aug 2022 15:58

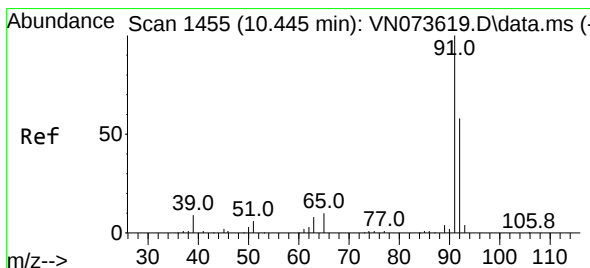
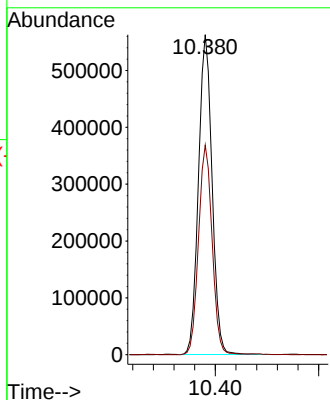
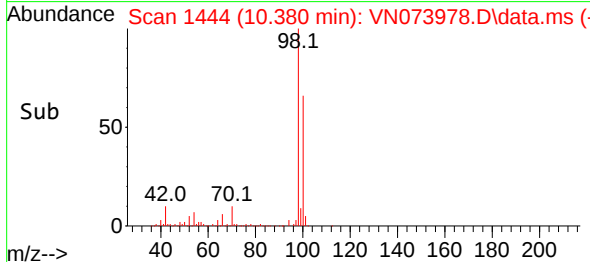
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL



Tgt Ion: 98 Resp: 1026234
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8

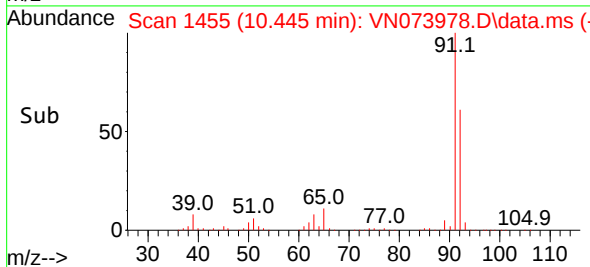
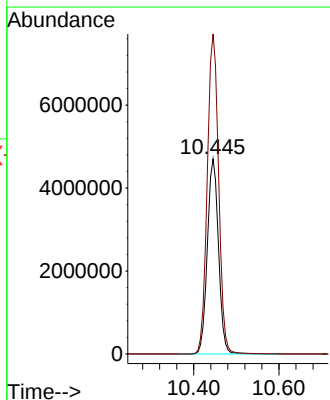
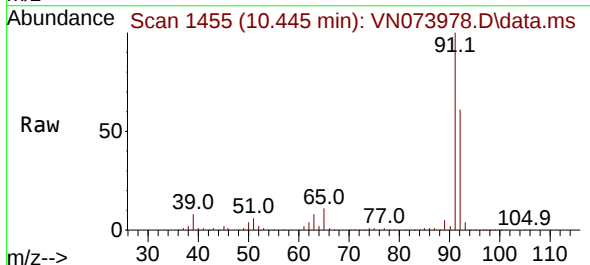
Manual Integrations
APPROVED

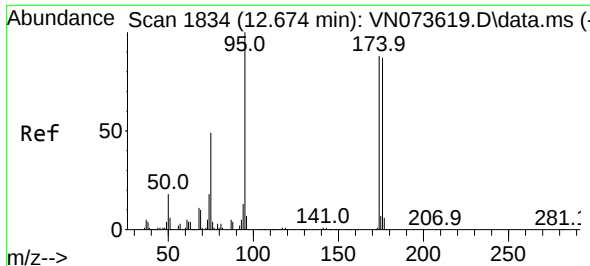
Reviewed By :John Carlone 08/18/2022
Supervised By :Mahesh Dadoda 08/18/2022



#52
Toluene
Concen: 498.882 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN073978.D
Acq: 17 Aug 2022 15:58

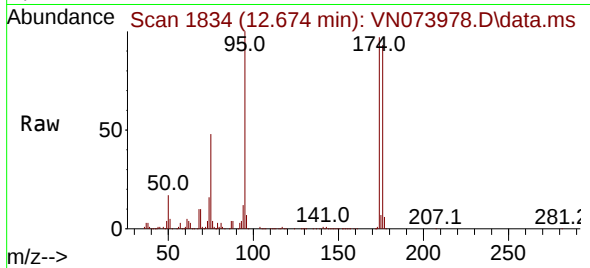
Tgt Ion: 92 Resp: 8513359
Ion Ratio Lower Upper
92 100
91 167.5 138.6 207.8





#62
4-Bromofluorobenzene
Concen: 62.734 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073978.D
Acq: 17 Aug 2022 15:58

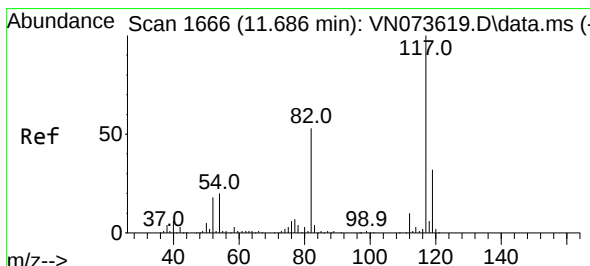
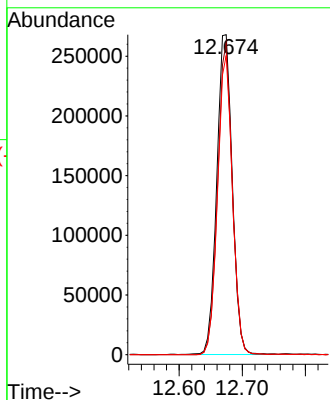
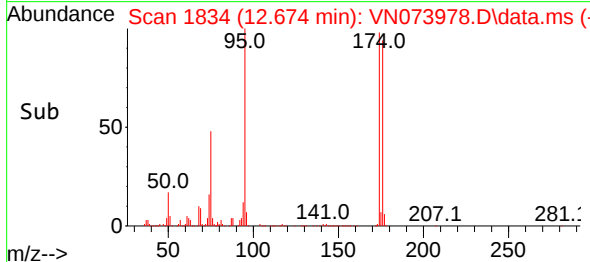
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL



Tgt Ion: 95 Resp: 457758
Ion Ratio Lower Upper
95 100
174 92.1 0.0 167.6
176 89.7 0.0 163.4

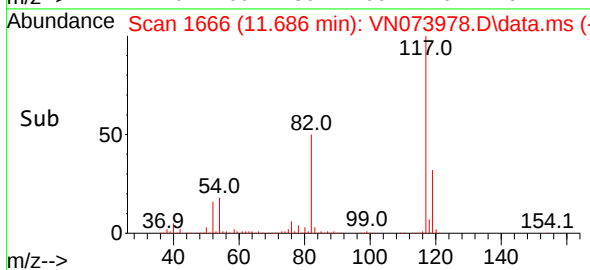
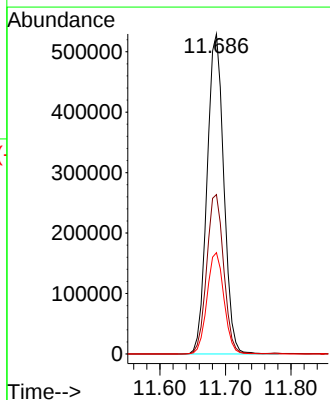
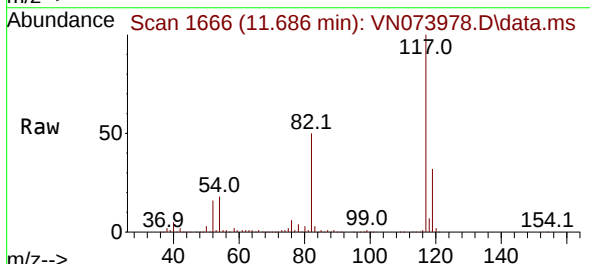
Manual Integrations
APPROVED

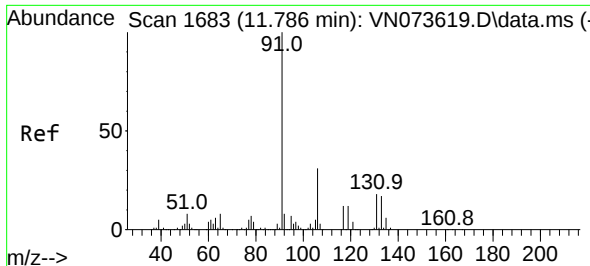
Reviewed By :John Carlone 08/18/2022
Supervised By :Mahesh Dadoda 08/18/2022



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073978.D
Acq: 17 Aug 2022 15:58

Tgt Ion:117 Resp: 937227
Ion Ratio Lower Upper
117 100
82 49.8 44.2 66.2
119 31.7 25.4 38.0





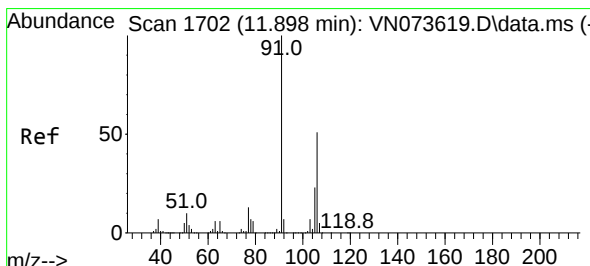
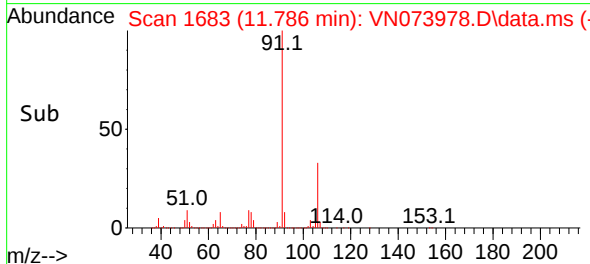
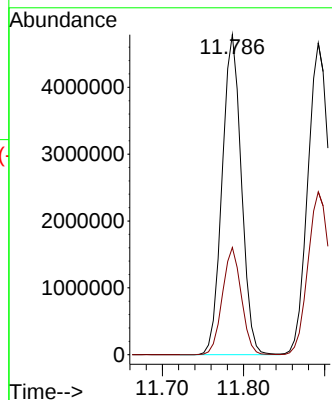
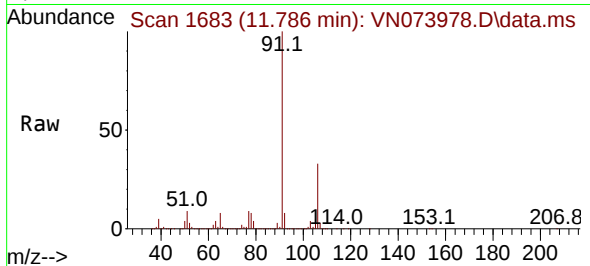
#67
Ethyl Benzene
Concen: 238.131 ug/l
RT: 11.786 min Scan# 106
Delta R.T. 0.000 min
Lab File: VN073978.D
Acq: 17 Aug 2022 15:58

Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

Tgt Ion: 91 Resp: 7888108
Ion Ratio Lower Upper
91 100
106 33.5 24.9 37.3

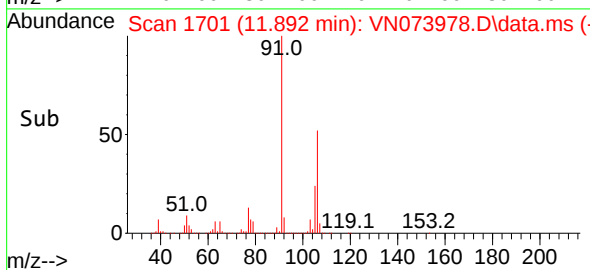
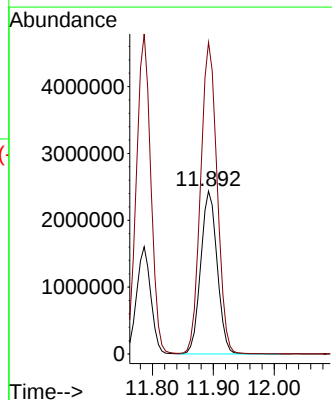
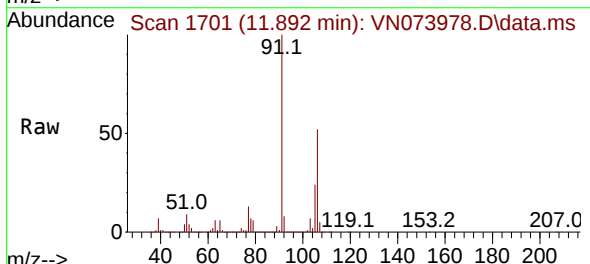
Manual Integrations
APPROVED

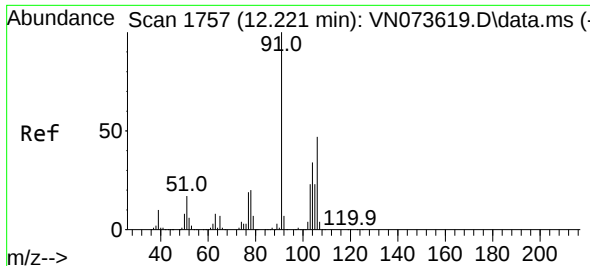
Reviewed By :John Carlone 08/18/2022
Supervised By :Mahesh Dadoda 08/18/2022



#68
m/p-Xylenes
Concen: 339.524 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN073978.D
Acq: 17 Aug 2022 15:58

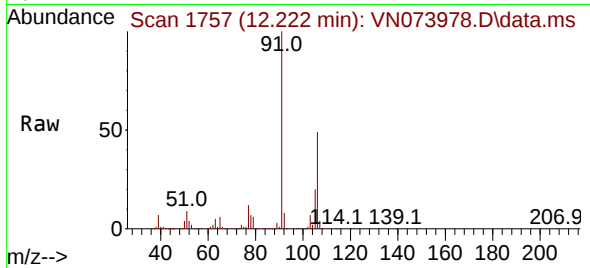
Tgt Ion:106 Resp: 4569671
Ion Ratio Lower Upper
106 100
91 192.5 158.9 238.3





#69
o-Xylene
Concen: 87.005 ug/l
RT: 12.222 min Scan# 1757
Delta R.T. 0.001 min
Lab File: VN073978.D
Acq: 17 Aug 2022 15:58

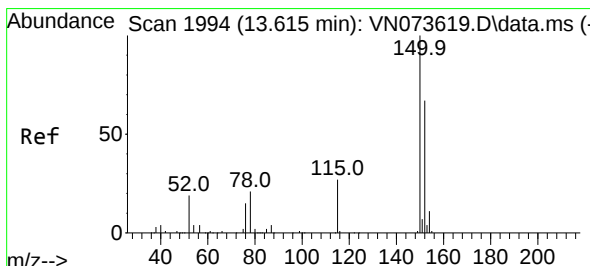
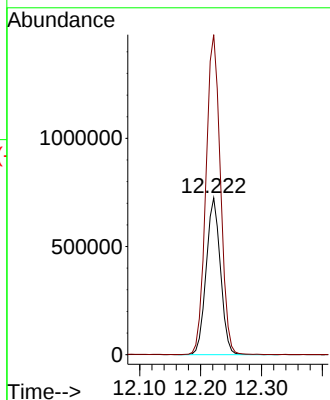
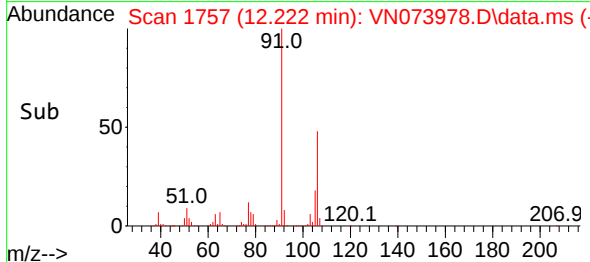
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL



Tgt Ion:106 Resp: 1174294
Ion Ratio Lower Upper
106 100
91 207.8 106.0 318.0

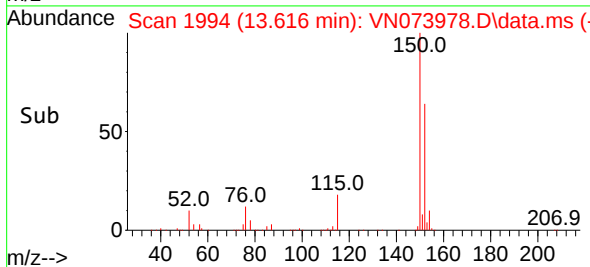
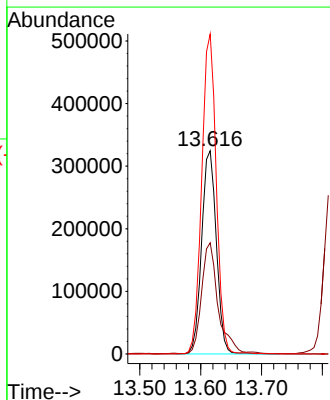
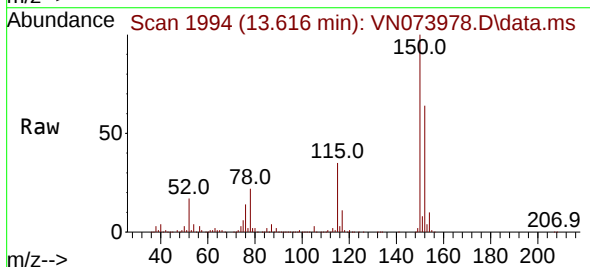
Manual Integrations
APPROVED

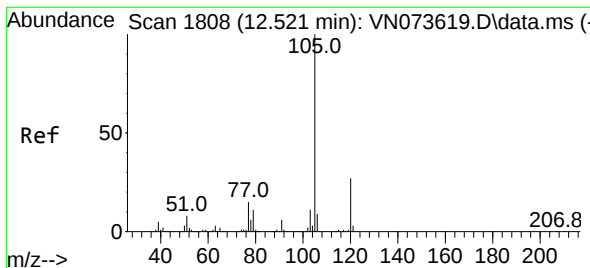
Reviewed By :John Carlone 08/18/2022
Supervised By :Mahesh Dadoda 08/18/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN073978.D
Acq: 17 Aug 2022 15:58

Tgt Ion:152 Resp: 546219
Ion Ratio Lower Upper
152 100
115 61.9 28.9 86.7
150 155.4 0.0 356.2





#73

Isopropylbenzene

Concen: 33.513 ug/l

RT: 12.521 min Scan# 1808

Delta R.T. 0.000 min

Lab File: VN073978.D

Acq: 17 Aug 2022 15:58

Instrument :

MSVOA_N

ClientSampleId :

MW-1DL

Tgt Ion:105 Resp: 1332930

Ion Ratio Lower Upper

105 100

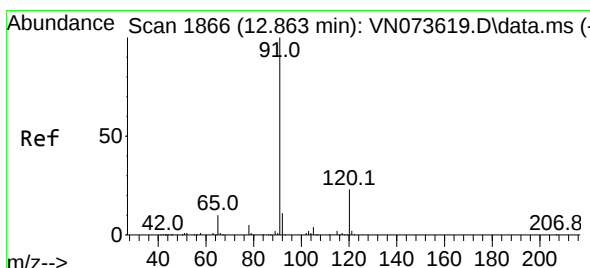
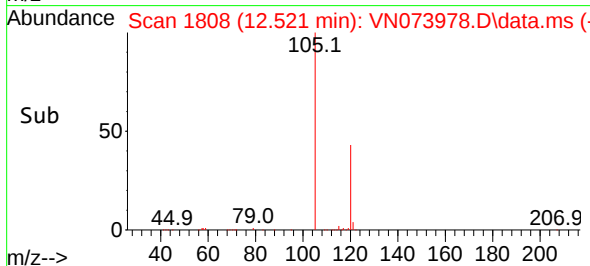
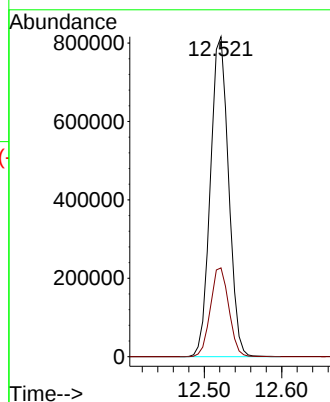
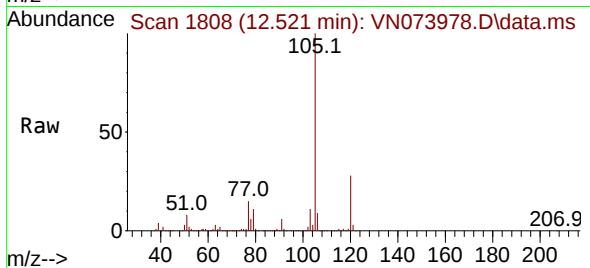
120 28.0 13.5 40.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/18/2022

Supervised By :Mahesh Dadoda 08/18/2022



#78

n-propylbenzene

Concen: 39.554 ug/l

RT: 12.863 min Scan# 1866

Delta R.T. -0.000 min

Lab File: VN073978.D

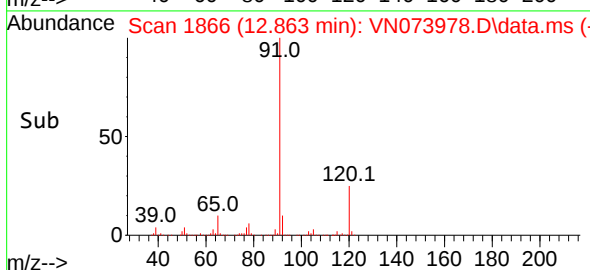
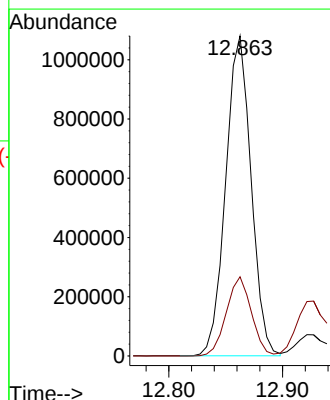
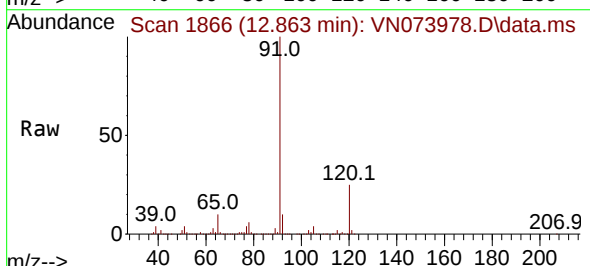
Acq: 17 Aug 2022 15:58

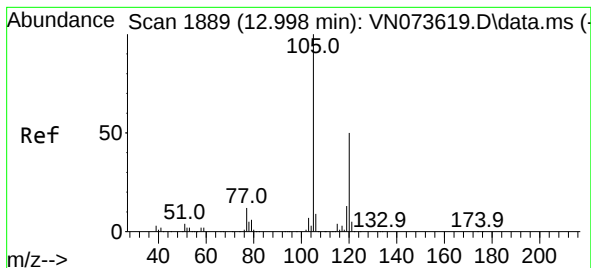
Tgt Ion: 91 Resp: 1676986

Ion Ratio Lower Upper

91 100

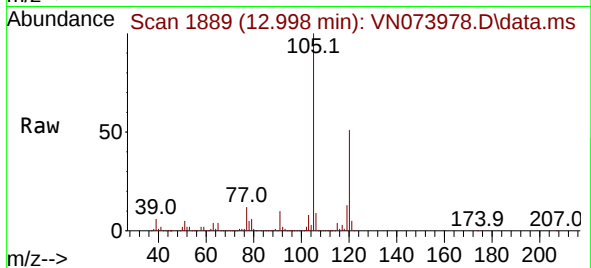
120 24.4 11.9 35.5





#80
1,3,5-Trimethylbenzene
Concen: 42.667 ug/l
RT: 12.998 min Scan# 1889
Delta R.T. -0.000 min
Lab File: VN073978.D
Acq: 17 Aug 2022 15:58

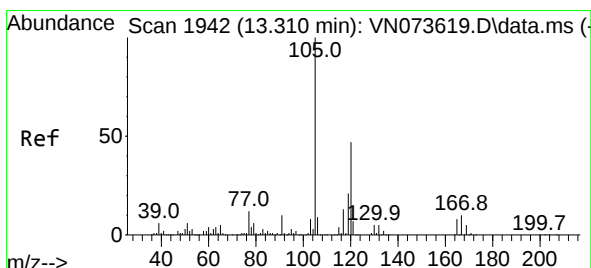
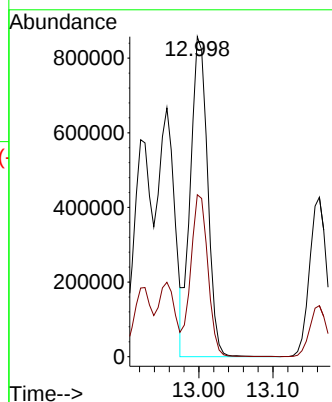
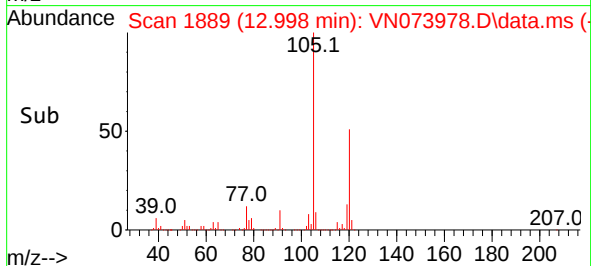
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL



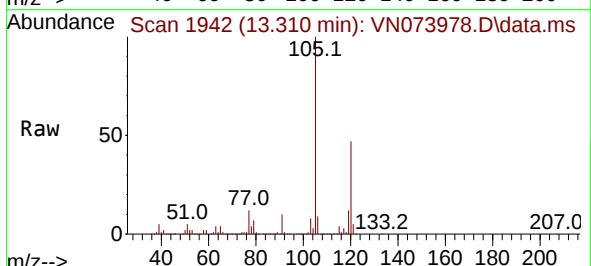
Tgt Ion:105 Resp: 1380352
Ion Ratio Lower Upper
105 100
120 50.7 24.9 74.7

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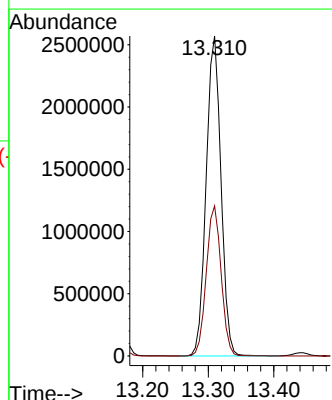
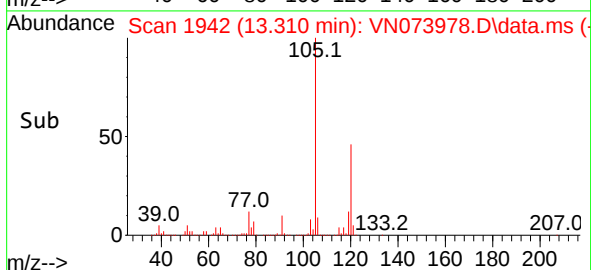
Reviewed By :John Carlone 08/18/2022
Supervised By :Mahesh Dadoda 08/18/2022

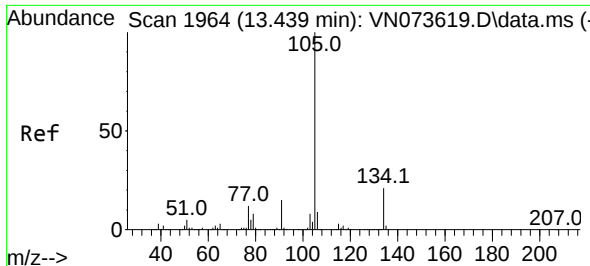


#84
1,2,4-Trimethylbenzene
Concen: 125.056 ug/l
RT: 13.310 min Scan# 1942
Delta R.T. -0.000 min
Lab File: VN073978.D
Acq: 17 Aug 2022 15:58



Tgt Ion:105 Resp: 4040144
Ion Ratio Lower Upper
105 100
120 47.0 23.3 69.8





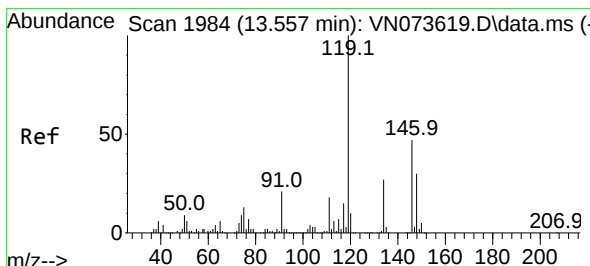
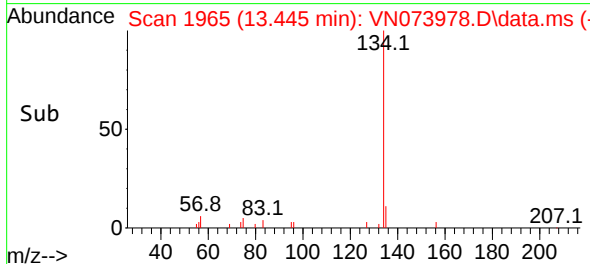
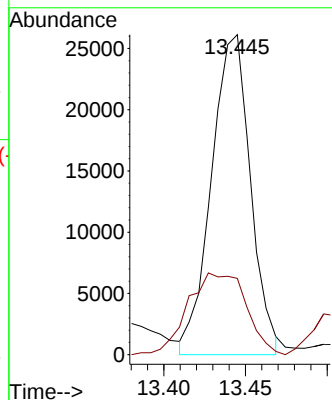
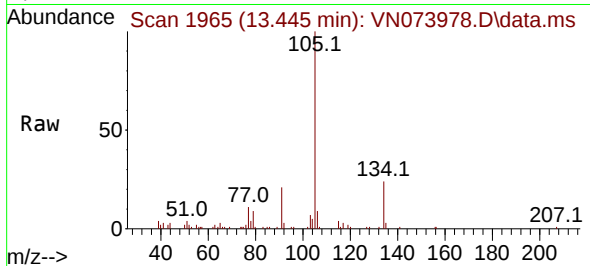
#85
 sec-Butylbenzene
 Concen: 1.123 ug/l m
 RT: 13.445 min Scan# 1965
 Delta R.T. 0.006 min
 Lab File: VN073978.D
 Acq: 17 Aug 2022 15:58

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1DL

Tgt Ion:105 Resp: 43330
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1

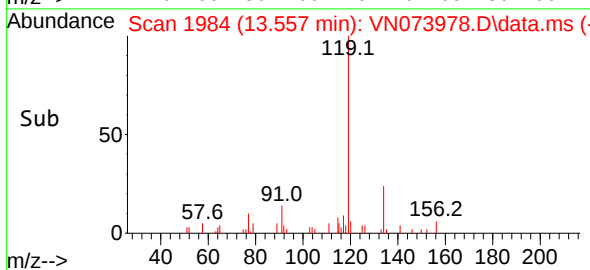
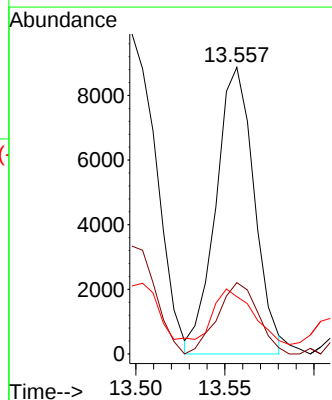
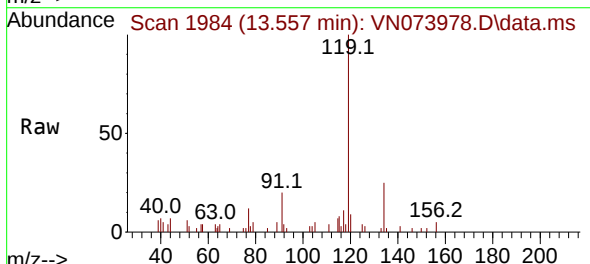
Manual Integrations
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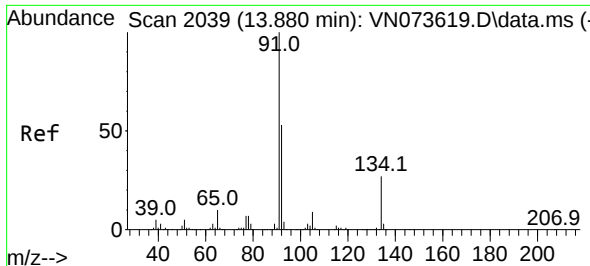
Reviewed By :John Carlone 08/18/2022
 Supervised By :Mahesh Dadoda 08/18/2022



#86
 p-Isopropyltoluene
 Concen: 0.404 ug/l m
 RT: 13.557 min Scan# 1984
 Delta R.T. -0.000 min
 Lab File: VN073978.D
 Acq: 17 Aug 2022 15:58

Tgt Ion:119 Resp: 13295
 Ion Ratio Lower Upper
 119 100
 134 36.9 13.3 39.8
 91 0.0 11.3 33.9





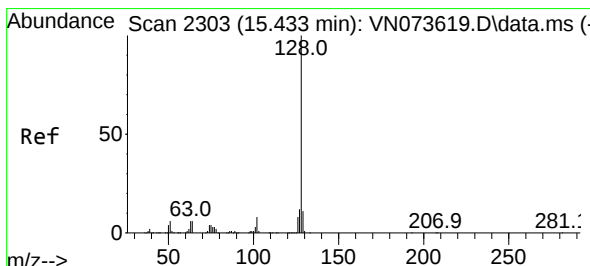
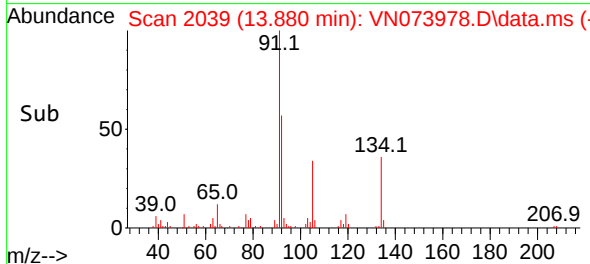
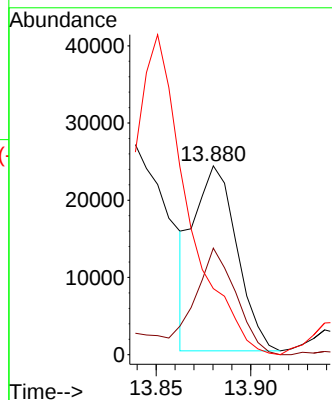
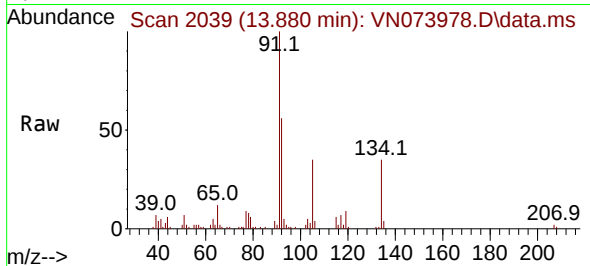
#89
n-Butylbenzene
Concen: 1.448 ug/l
RT: 13.880 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VN073978.D
Acq: 17 Aug 2022 15:58

Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

Tgt Ion: 91 Resp: 3770
Ion Ratio Lower Upper
91 100
92 55.1 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: 33.233 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN073978.D
Acq: 17 Aug 2022 15:58

Tgt Ion:128 Resp: 1271337
Ion Ratio Lower Upper
128 100
127 12.7 10.3 15.5
129 11.1 8.6 13.0

