

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080422\
 Data File : VN073736.D
 Acq On : 04 Aug 2022 15:05
 Operator : JC\MD
 Sample : N3887-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Manual Integrations
 APPROVED

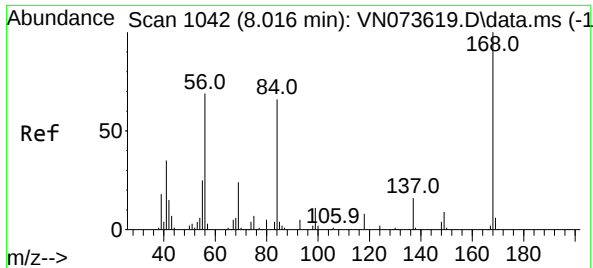
Reviewed By : John Carlone 08/05/2022
 Supervised By : Mahesh Dadoda 08/05/2022

Quant Time: Aug 05 00:28:16 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)

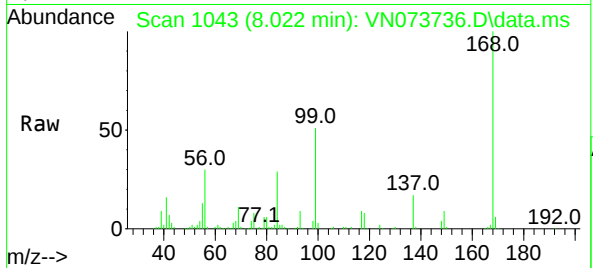
Internal Standards						
1) Pentafluorobenzene	8.022	168	368984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	581830	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	558813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	289093	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	217861	48.449	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.900%		
35) Dibromofluoromethane	7.957	113	197441	54.041	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	108.080%		
50) Toluene-d8	10.380	98	671189	46.685	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.360%		
62) 4-Bromofluorobenzene	12.674	95	263052	53.941	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.880%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.293	59	30929	31.893	ug/l	96
22) Diisopropyl ether	6.410	45	43924	3.638	ug/l	92
31) Cyclohexane	8.028	56	119952	17.918	ug/l	95
39) Methylcyclohexane	9.392	83	36452	5.858	ug/l	95
40) Benzene	8.392	78	3436844	203.254	ug/l	100
52) Toluene	10.445	92	25020	2.422	ug/l	99
67) Ethyl Benzene	11.786	91	42113	2.103	ug/l	95
68) m/p-Xylenes	11.892	106	6870	0.900	ug/l	82
69) o-Xylene	12.221	106	3672	0.493	ug/l	68
73) Isopropylbenzene	12.521	105	496037	23.440	ug/l	99
78) n-propylbenzene	12.863	91	1502838	63.114	ug/l	98
84) 1,2,4-Trimethylbenzene	13.310	105	53339	3.115	ug/l	99
85) sec-Butylbenzene	13.439	105	136641	6.409	ug/l #	52
86) p-Isopropyltoluene	13.557	119	6447m	0.384	ug/l	
89) n-Butylbenzene	13.880	91	209315	15.306	ug/l #	71
95) Naphthalene	15.433	128	95370	5.806	ug/l	97

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VN073736.D
Acq: 04 Aug 2022 15:05

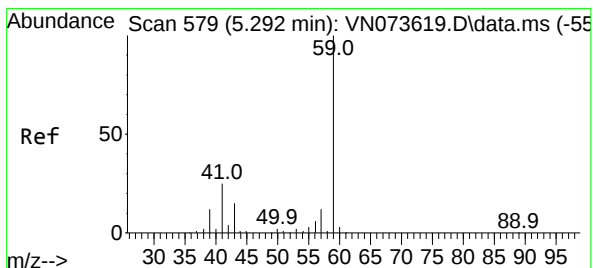
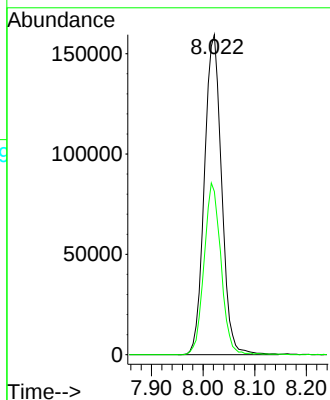
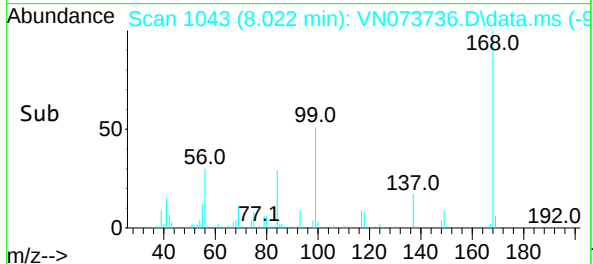
Instrument :
MSVOA_N
ClientSampleId :
MW-1



Tgt Ion:168 Resp: 368984
Ion Ratio Lower Upper
168 100
99 51.0 42.3 63.5

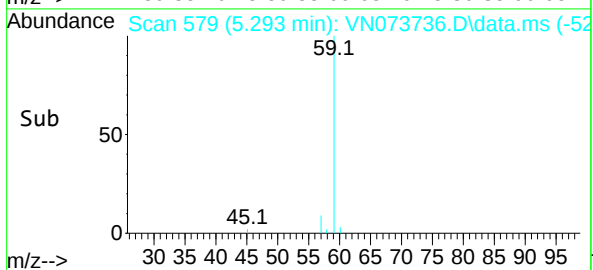
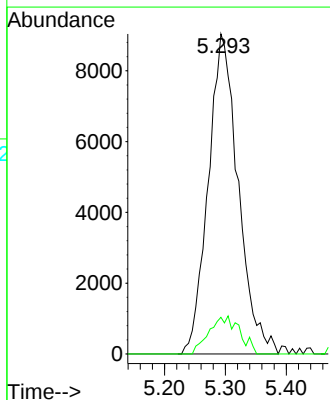
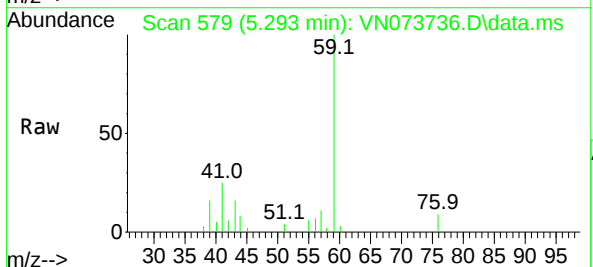
Manual Integrations
APPROVED

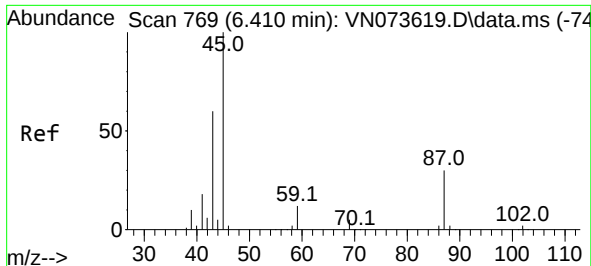
Reviewed By :John Carlone 08/05/2022
Supervised By :Mahesh Dadoda 08/05/2022



#11
Tert butyl alcohol
Concen: 31.893 ug/l
RT: 5.293 min Scan# 579
Delta R.T. 0.001 min
Lab File: VN073736.D
Acq: 04 Aug 2022 15:05

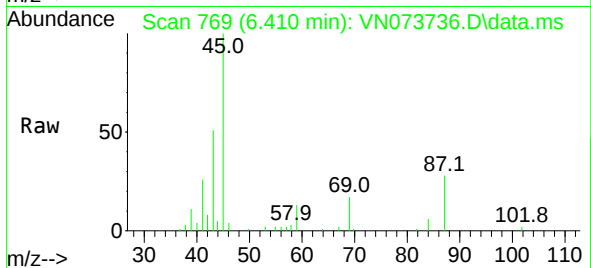
Tgt Ion: 59 Resp: 30929
Ion Ratio Lower Upper
59 100
57 12.0 8.3 12.5





#22
Diisopropyl ether
Concen: 3.638 ug/l
RT: 6.410 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN073736.D
Acq: 04 Aug 2022 15:05

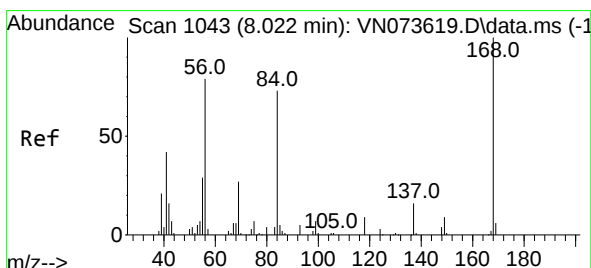
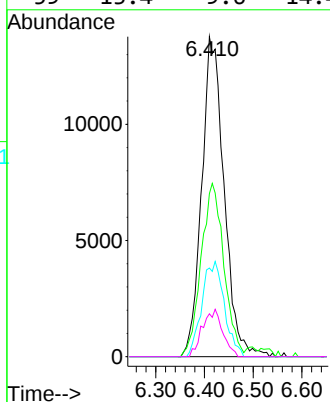
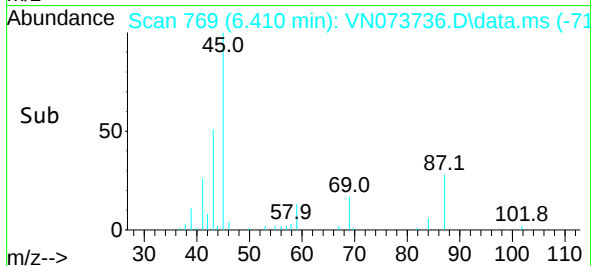
Instrument :
MSVOA_N
ClientSampleId :
MW-1



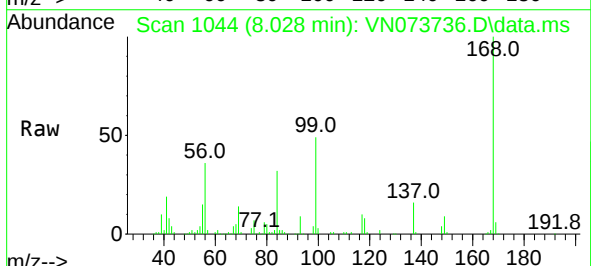
Tgt Ion: 45 Resp: 43924
Ion Ratio Lower Upper
45 100
43 50.9 46.6 70.0
87 27.7 24.3 36.5
59 13.4 9.6 14.4

Manual Integrations
APPROVED

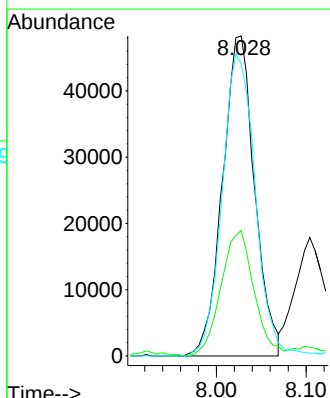
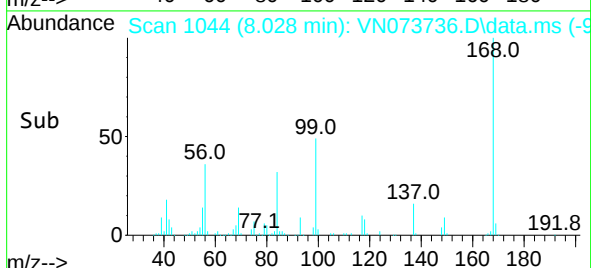
Reviewed By :John Carlone 08/05/2022
Supervised By :Mahesh Dadoda 08/05/2022

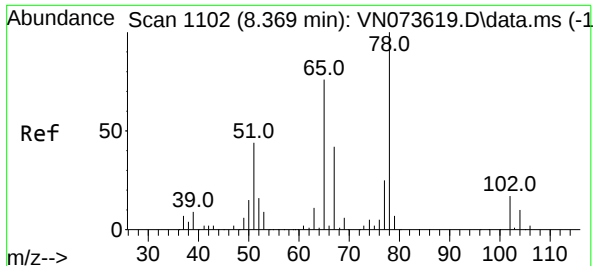


#31
Cyclohexane
Concen: 17.918 ug/l
RT: 8.028 min Scan# 1044
Delta R.T. 0.006 min
Lab File: VN073736.D
Acq: 04 Aug 2022 15:05



Tgt Ion: 56 Resp: 119952
Ion Ratio Lower Upper
56 100
69 38.8 27.8 41.8
84 91.3 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 48.449 ug/l

RT: 8.375 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VN073736.D

Acq: 04 Aug 2022 15:05

Instrument :

MSVOA_N

ClientSampleId :

MW-1

Tgt Ion: 65 Resp: 21786

Ion Ratio Lower Upper

65 100

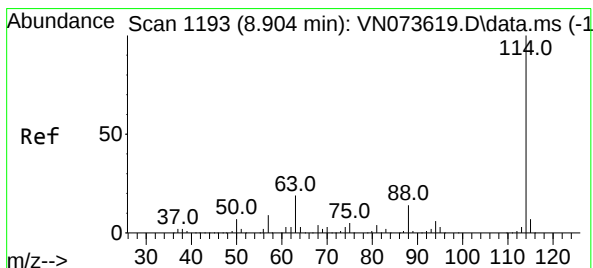
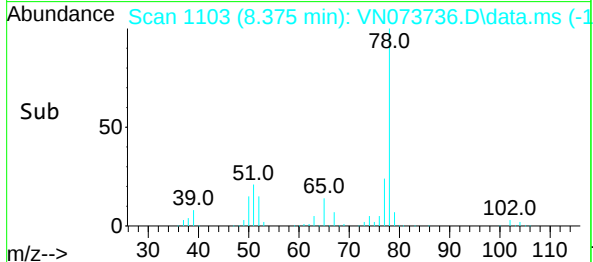
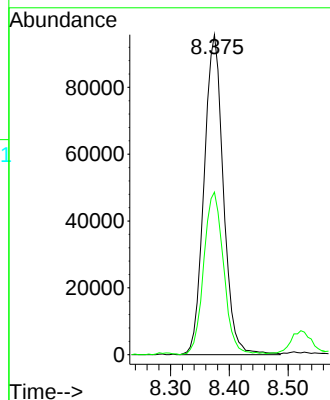
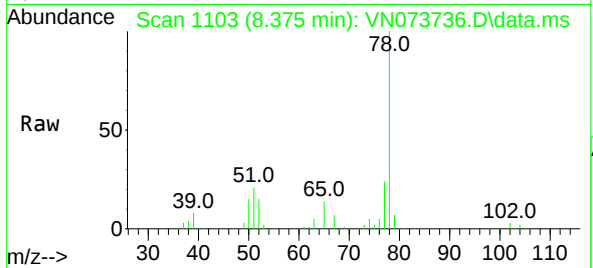
67 52.6 0.0 104.8

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: VN073736.D

Acq: 04 Aug 2022 15:05

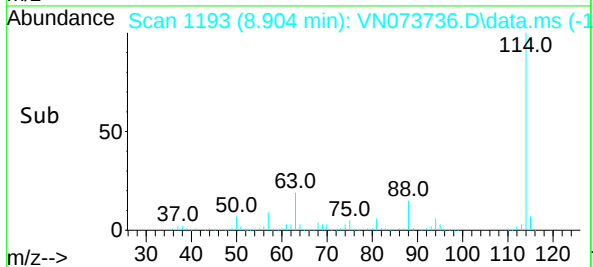
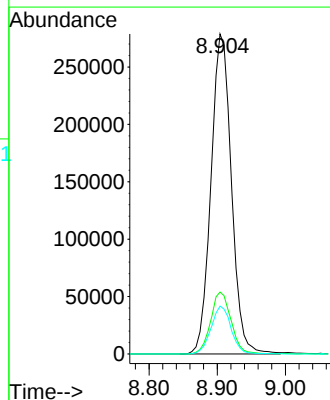
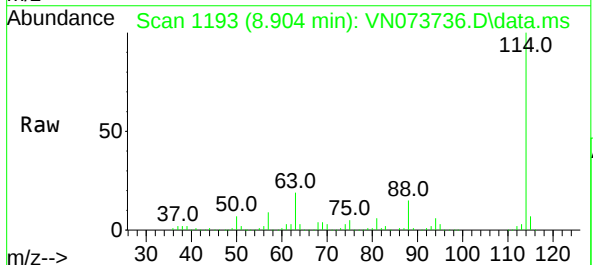
Tgt Ion:114 Resp: 581830

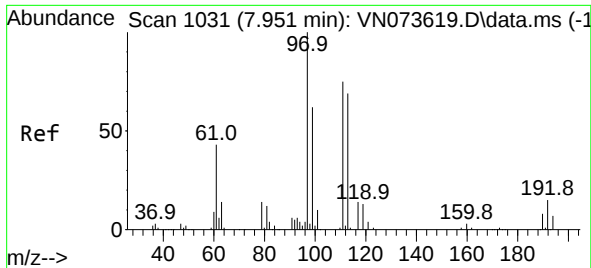
Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

88 15.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 54.041 ug/l

RT: 7.957 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VN073736.D

Acq: 04 Aug 2022 15:05

Instrument :

MSVOA_N

ClientSampleId :

MW-1

Tgt Ion: 113 Resp: 19744

Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.0

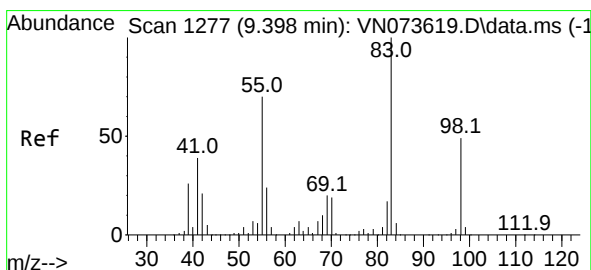
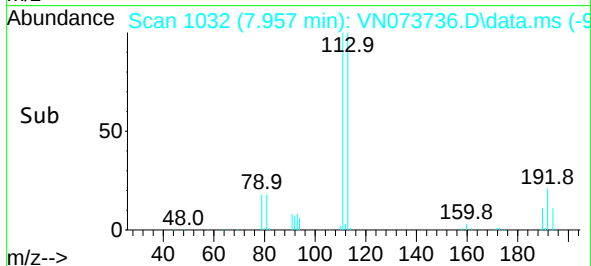
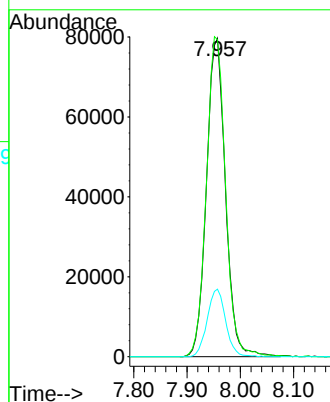
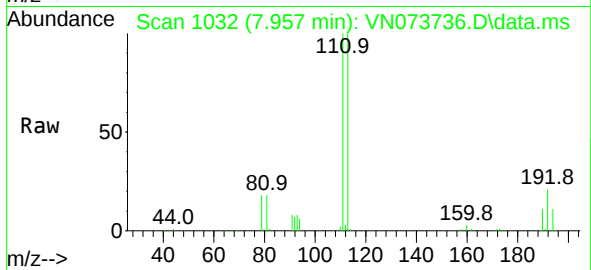
192 20.6 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/05/2022

Supervised By :Mahesh Dadoda 08/05/2022



#39

Methylcyclohexane

Concen: 5.858 ug/l

RT: 9.392 min Scan# 1276

Delta R.T. -0.006 min

Lab File: VN073736.D

Acq: 04 Aug 2022 15:05

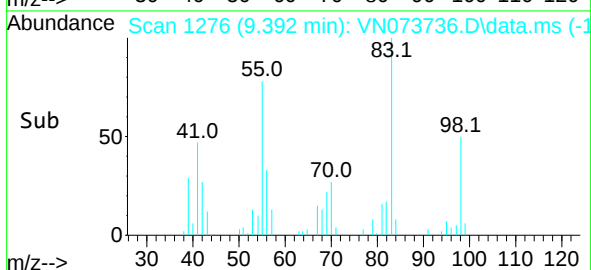
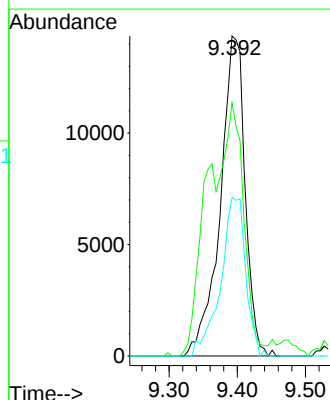
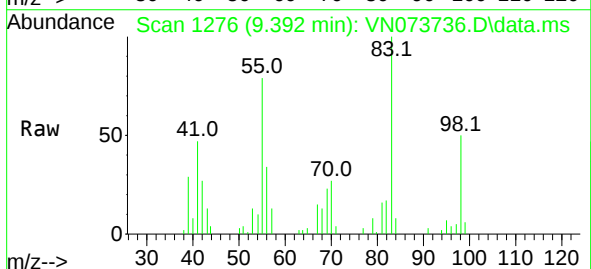
Tgt Ion: 83 Resp: 36452

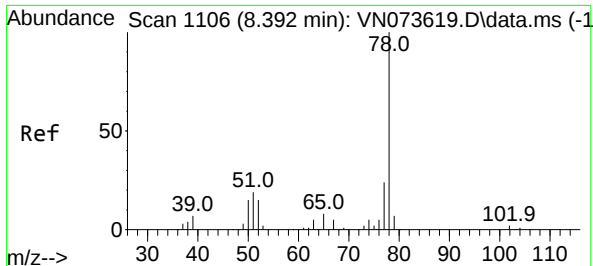
Ion Ratio Lower Upper

83 100

55 79.0 57.8 86.8

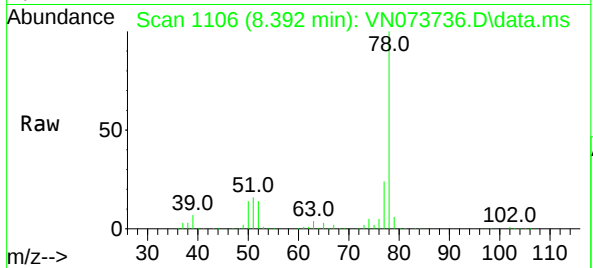
98 49.5 39.4 59.2





#40
Benzene
Concen: 203.254 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN073736.D
Acq: 04 Aug 2022 15:05

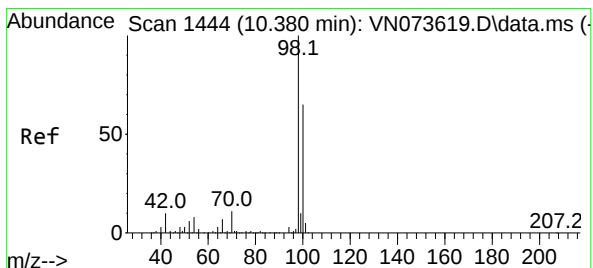
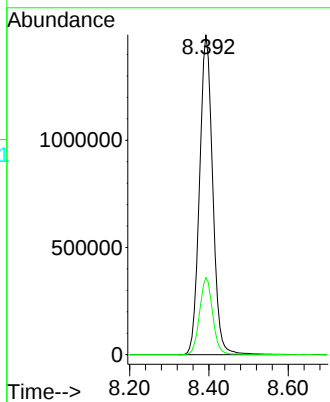
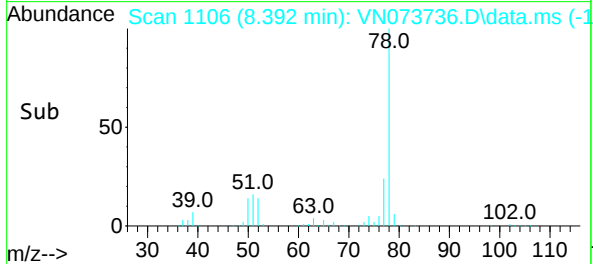
Instrument :
MSVOA_N
ClientSampleId :
MW-1



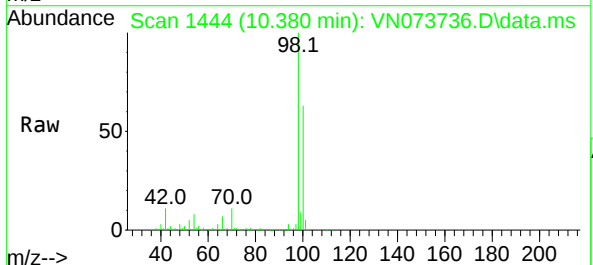
Tgt Ion: 78 Resp: 343684
Ion Ratio Lower Upper
78 100
77 24.1 19.4 29.0

Manual Integrations
APPROVED

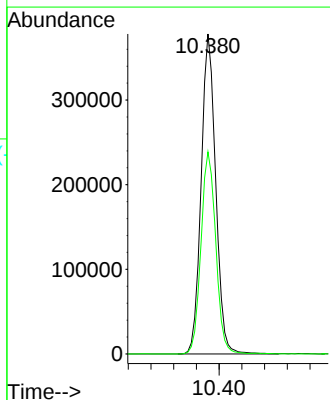
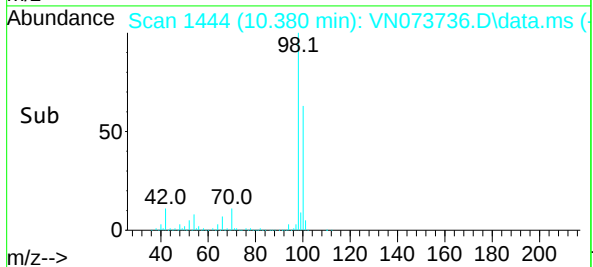
Reviewed By :John Carlone 08/05/2022
Supervised By :Mahesh Dadoda 08/05/2022

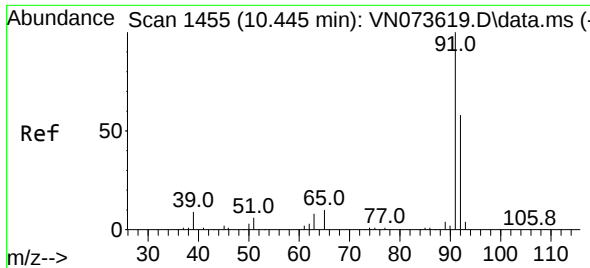


#50
Toluene-d8
Concen: 46.685 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073736.D
Acq: 04 Aug 2022 15:05



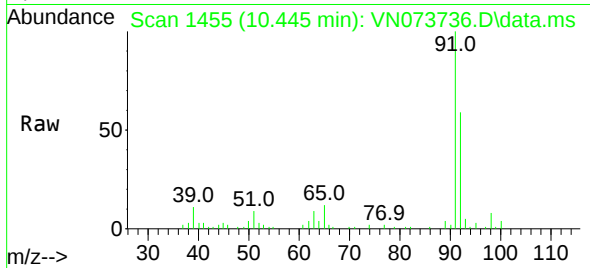
Tgt Ion: 98 Resp: 671189
Ion Ratio Lower Upper
98 100
100 64.2 52.6 78.8





#52
Toluene
Concen: 2.422 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN073736.D
Acq: 04 Aug 2022 15:05

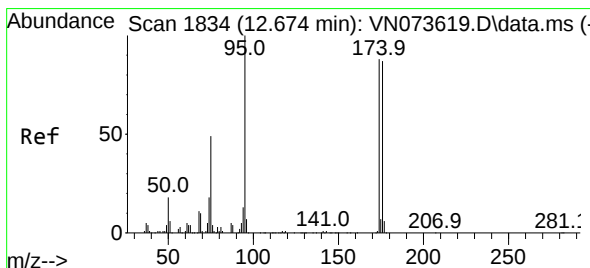
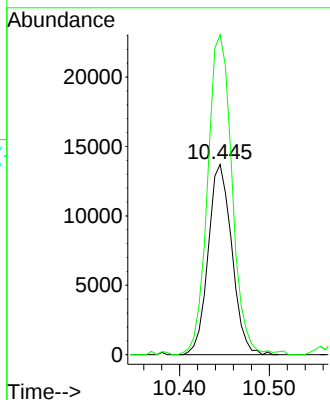
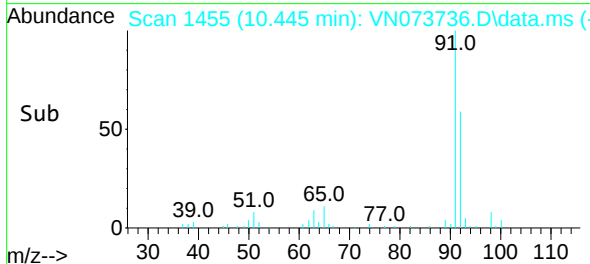
Instrument :
MSVOA_N
ClientSampleId :
MW-1



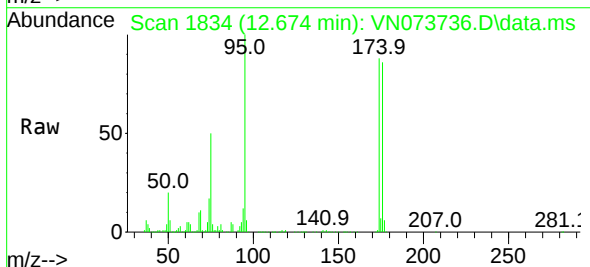
Tgt Ion: 92 Resp: 25020
Ion Ratio Lower Upper
92 100
91 174.4 138.6 207.8

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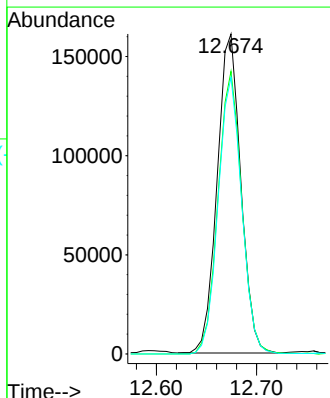
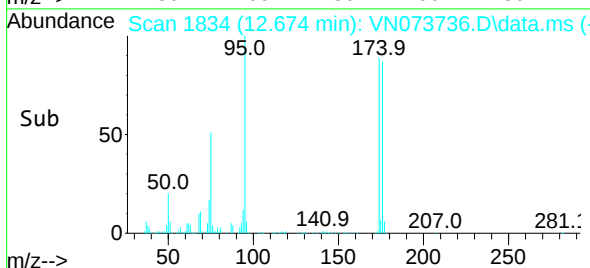
Reviewed By :John Carlone 08/05/2022
Supervised By :Mahesh Dadoda 08/05/2022

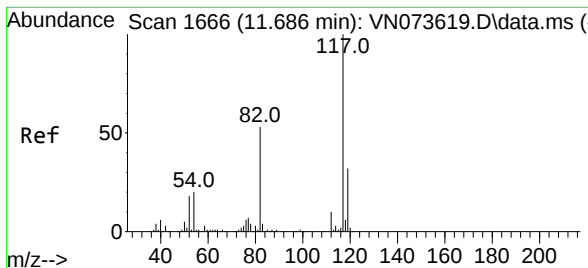


#62
4-Bromofluorobenzene
Concen: 53.941 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073736.D
Acq: 04 Aug 2022 15:05



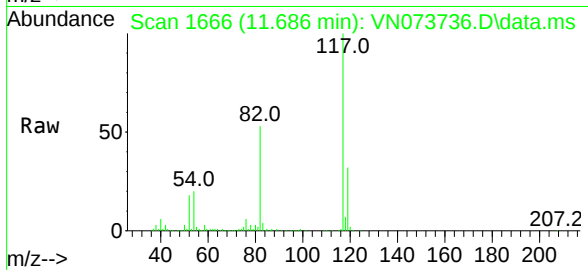
Tgt Ion: 95 Resp: 263052
Ion Ratio Lower Upper
95 100
174 88.7 0.0 167.6
176 86.3 0.0 163.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073736.D
Acq: 04 Aug 2022 15:05

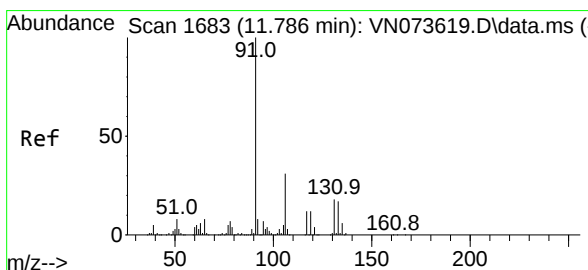
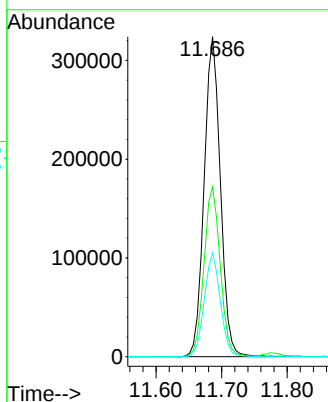
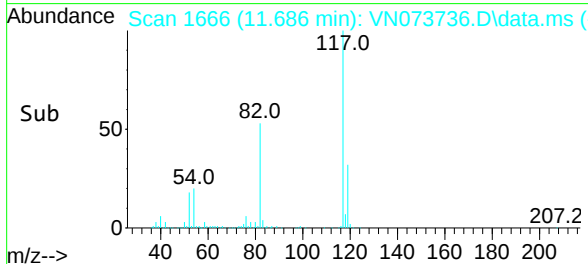
Instrument :
MSVOA_N
ClientSampleId :
MW-1



Tgt Ion: 117 Resp: 55881
Ion Ratio Lower Upper
117 100
82 53.1 44.2 66.2
119 32.5 25.4 38.0

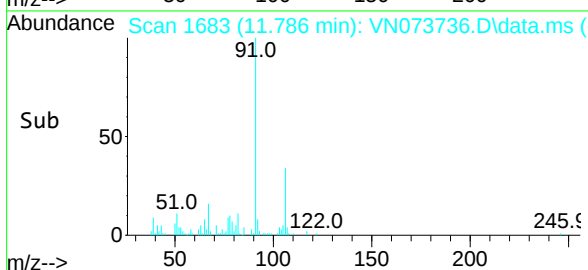
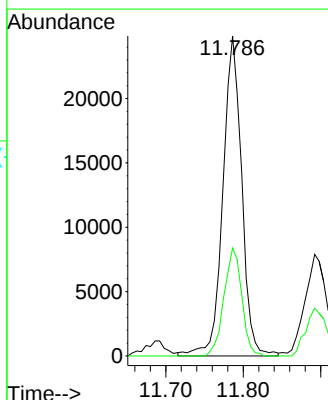
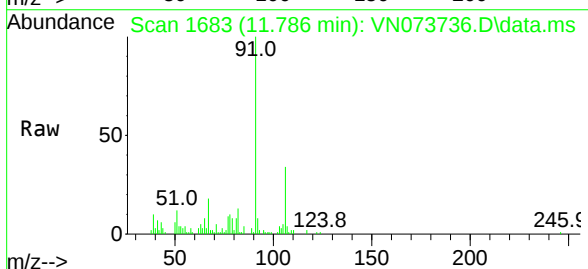
Manual Integrations
APPROVED

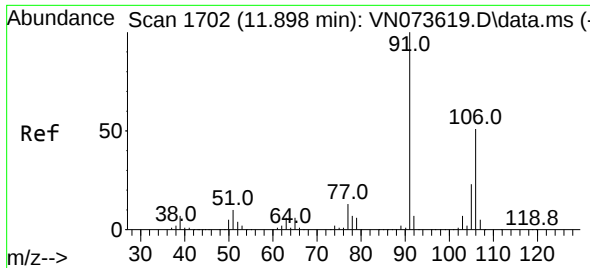
Reviewed By :John Carlone 08/05/2022
Supervised By :Mahesh Dadoda 08/05/2022



#67
Ethyl Benzene
Concen: 2.103 ug/l
RT: 11.786 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VN073736.D
Acq: 04 Aug 2022 15:05

Tgt Ion: 91 Resp: 42113
Ion Ratio Lower Upper
91 100
106 34.1 24.9 37.3





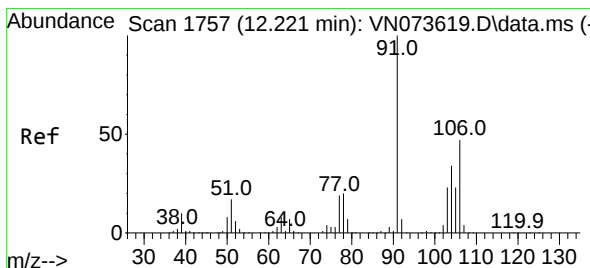
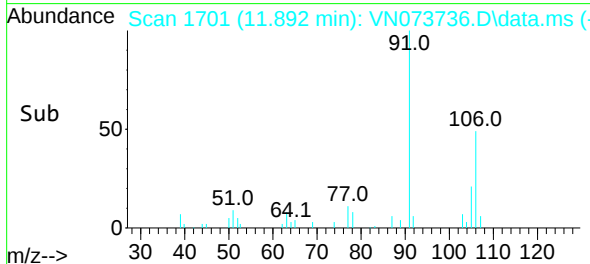
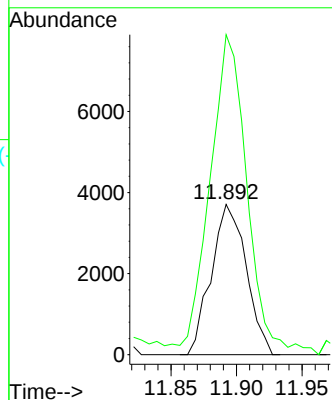
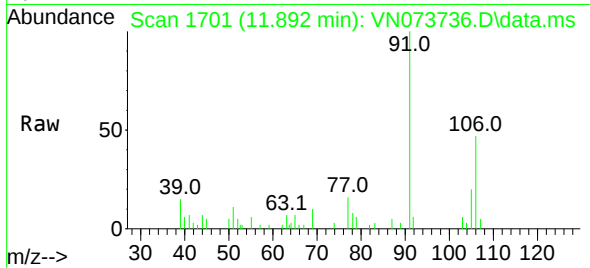
#68
m/p-Xylenes
Concen: 0.900 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN073736.D
Acq: 04 Aug 2022 15:05

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion:106 Resp: 6870
Ion Ratio Lower Upper
106 100
91 226.2 158.9 238.3

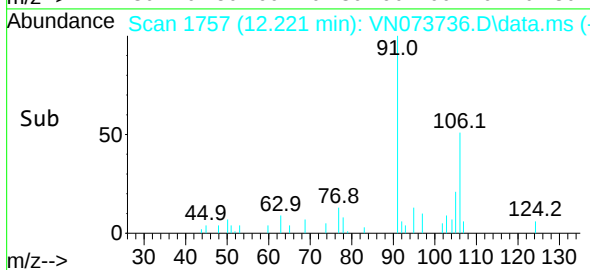
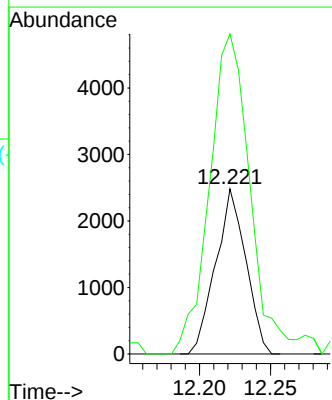
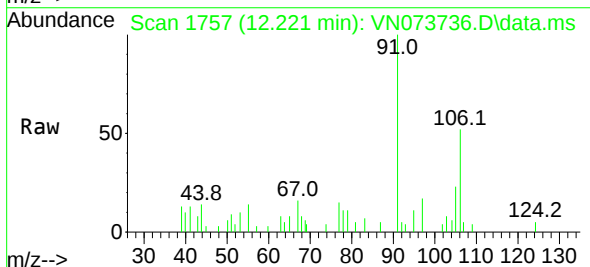
Manual Integrations
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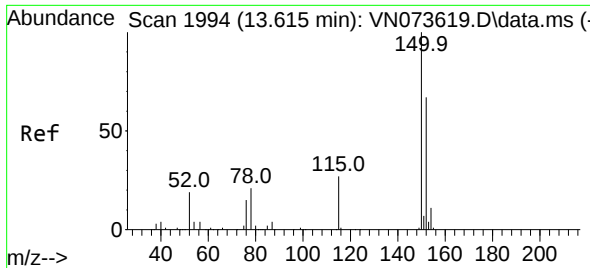
Reviewed By :John Carlone 08/05/2022
Supervised By :Mahesh Dadoda 08/05/2022



#69
o-Xylene
Concen: 0.493 ug/l
RT: 12.221 min Scan# 1757
Delta R.T. 0.000 min
Lab File: VN073736.D
Acq: 04 Aug 2022 15:05

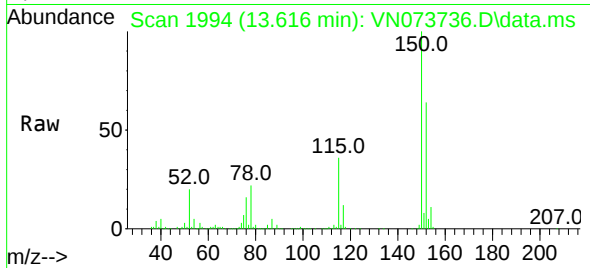
Tgt Ion:106 Resp: 3672
Ion Ratio Lower Upper
106 100
91 263.0 106.0 318.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073736.D
Acq: 04 Aug 2022 15:05

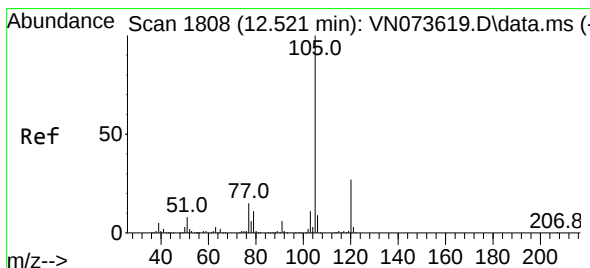
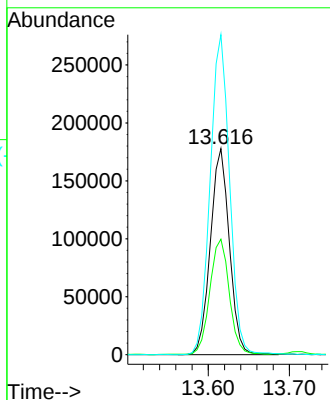
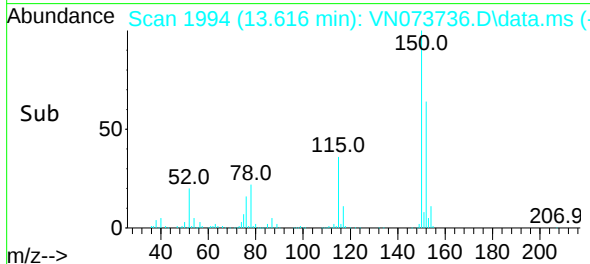
Instrument :
MSVOA_N
ClientSampleId :
MW-1



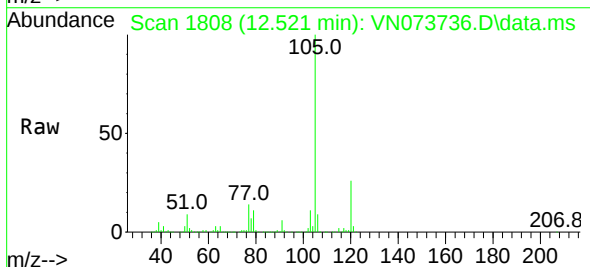
Tgt Ion:152 Resp: 28909
Ion Ratio Lower Upper
152 100
115 56.7 28.9 86.7
150 158.4 0.0 356.2

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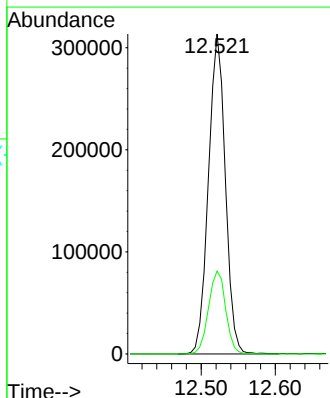
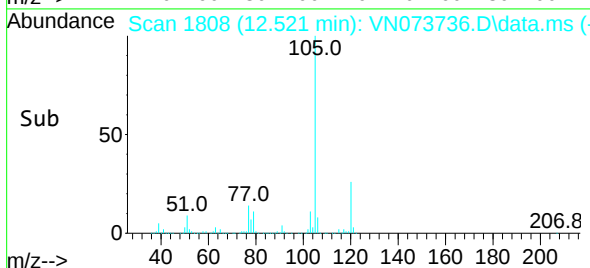
Reviewed By :John Carlone 08/05/2022
Supervised By :Mahesh Dadoda 08/05/2022

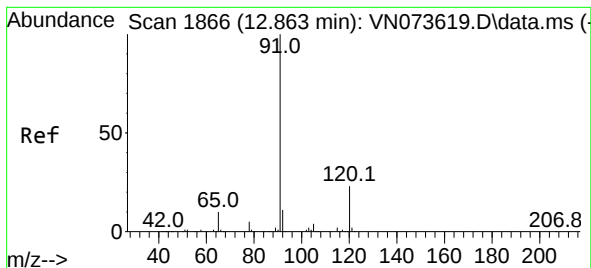


#73
Isopropylbenzene
Concen: 23.440 ug/l
RT: 12.521 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VN073736.D
Acq: 04 Aug 2022 15:05



Tgt Ion:105 Resp: 496037
Ion Ratio Lower Upper
105 100
120 26.3 13.5 40.4





#78

n-propylbenzene

Concen: 63.114 ug/l

RT: 12.863 min Scan# 1866

Delta R.T. 0.000 min

Lab File: VN073736.D

Acq: 04 Aug 2022 15:05

Instrument :

MSVOA_N

ClientSampleId :

MW-1

Tgt Ion: 91 Resp: 1502838

Ion Ratio Lower Upper

91 100

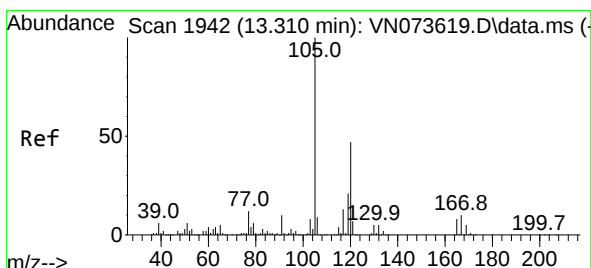
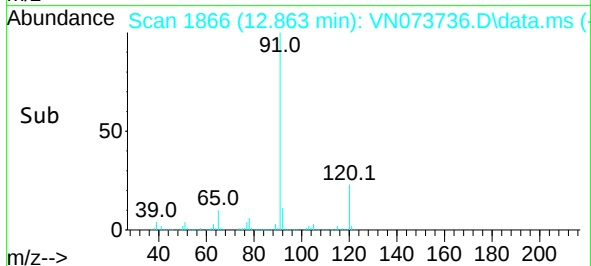
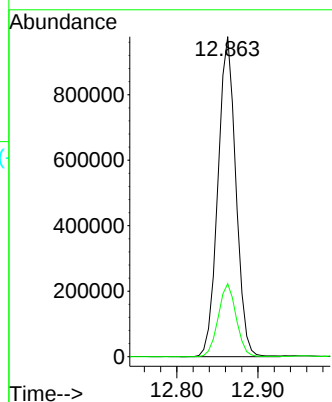
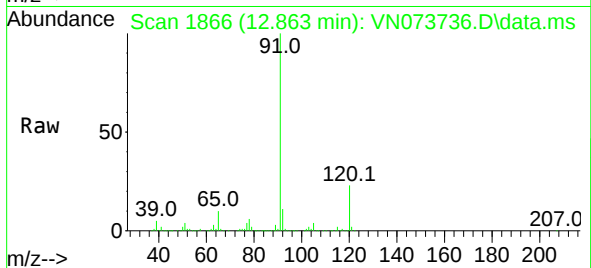
120 22.8 11.9 35.5

Manual Integrations

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Reviewed By :John Carbone 08/05/2022

Supervised By :Mahesh Dadoda 08/05/2022



#84

1,2,4-Trimethylbenzene

Concen: 3.115 ug/l

RT: 13.310 min Scan# 1942

Delta R.T. 0.000 min

Lab File: VN073736.D

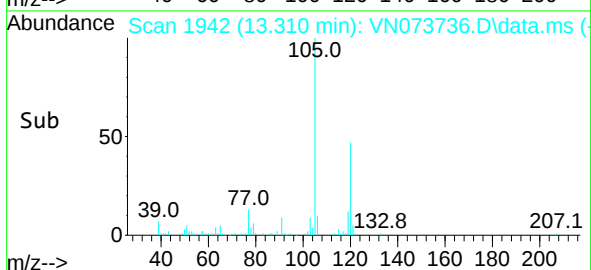
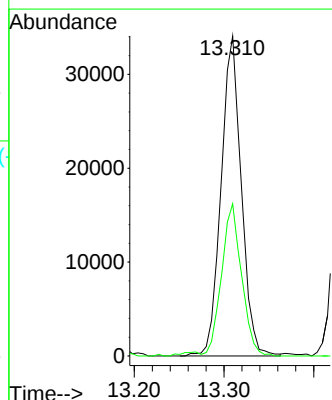
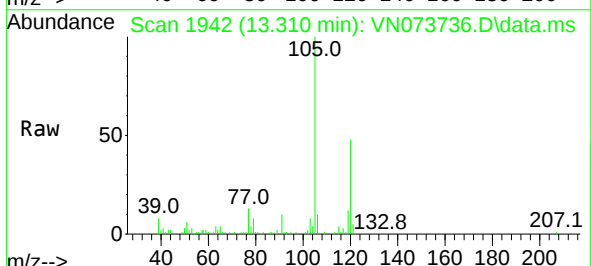
Acq: 04 Aug 2022 15:05

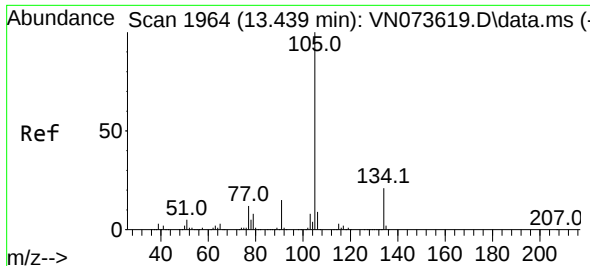
Tgt Ion:105 Resp: 53339

Ion Ratio Lower Upper

105 100

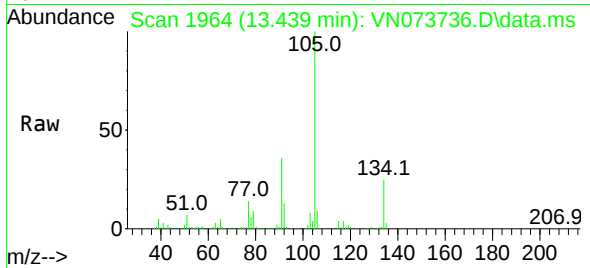
120 46.9 23.3 69.8





#85
 sec-Butylbenzene
 Concen: 6.409 ug/l
 RT: 13.439 min Scan# 1964
 Delta R.T. 0.000 min
 Lab File: VN073736.D
 Acq: 04 Aug 2022 15:05

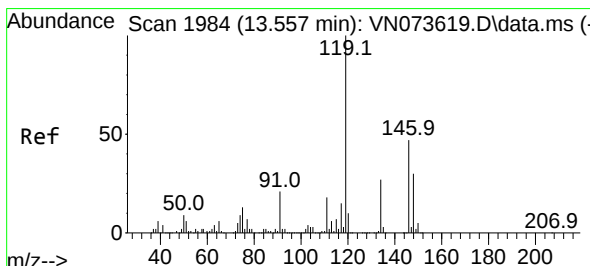
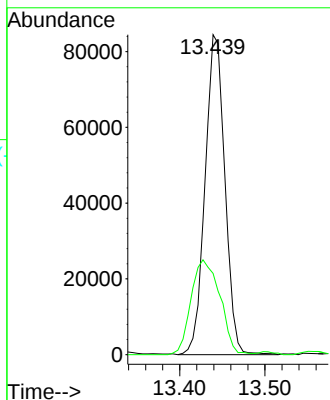
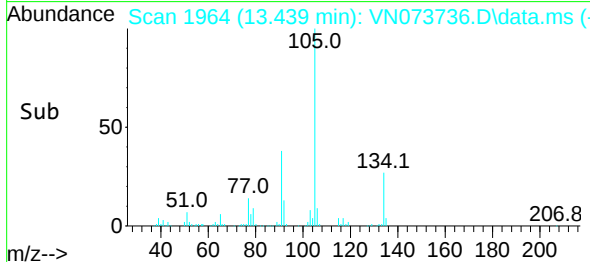
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1



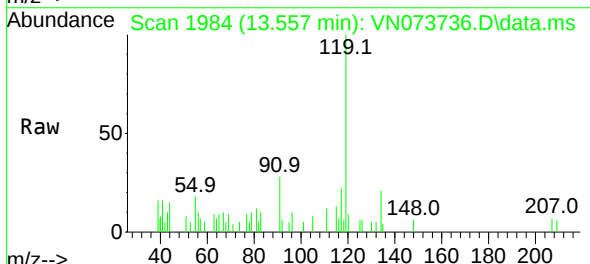
Tgt Ion:105 Resp: 13664
 Ion Ratio Lower Upper
 105 100
 134 43.1 10.4 31.1

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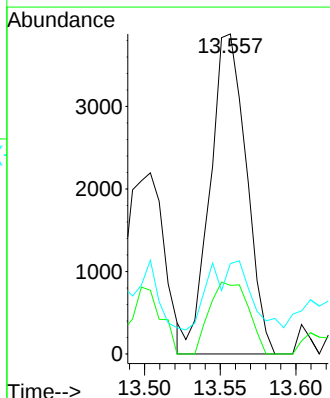
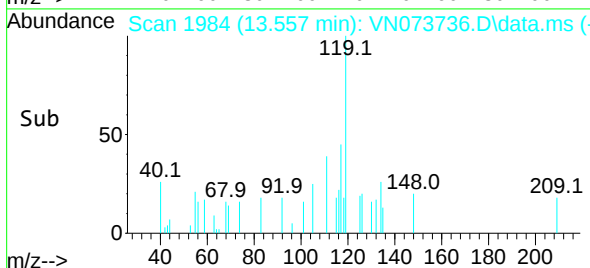
Reviewed By :John Carlone 08/05/2022
 Supervised By :Mahesh Dadoda 08/05/2022

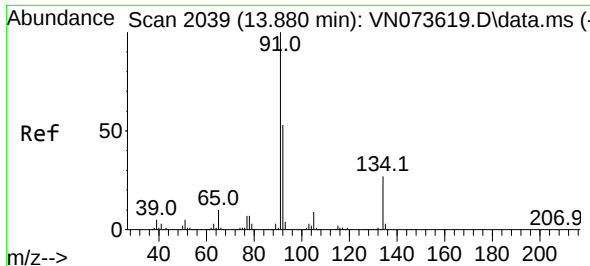


#86
 p-Isopropyltoluene
 Concen: 0.384 ug/l m
 RT: 13.557 min Scan# 1984
 Delta R.T. 0.000 min
 Lab File: VN073736.D
 Acq: 04 Aug 2022 15:05



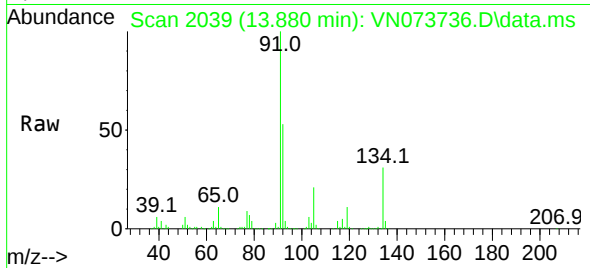
Tgt Ion:119 Resp: 6447
 Ion Ratio Lower Upper
 119 100
 134 173.5 13.3 39.8#
 91 139.8 11.3 33.9#





#89
n-Butylbenzene
Concen: 15.306 ug/l
RT: 13.880 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VN073736.D
Acq: 04 Aug 2022 15:05

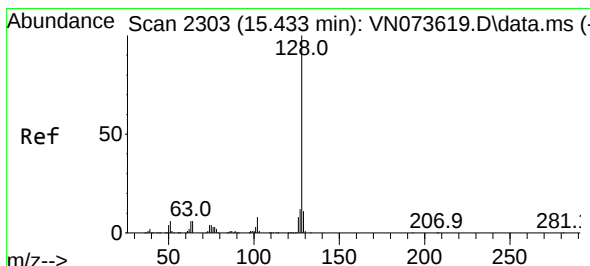
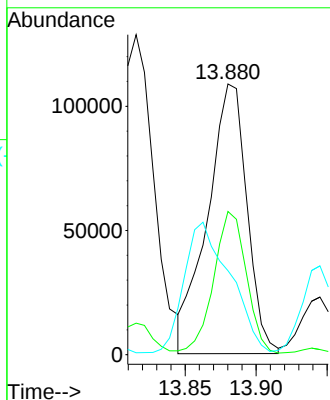
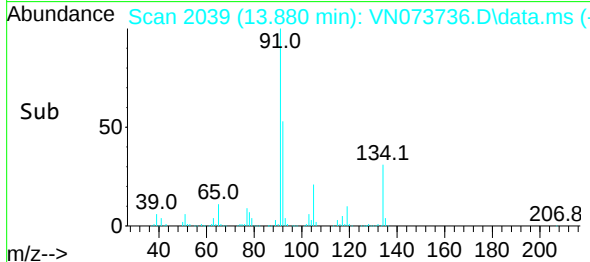
Instrument :
MSVOA_N
ClientSampleId :
MW-1



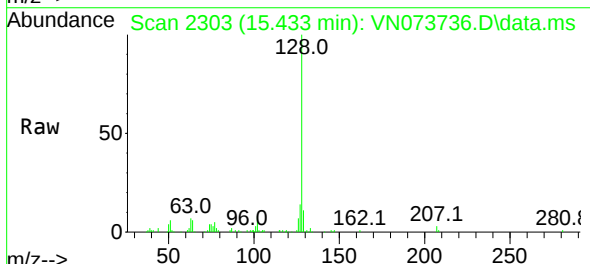
Tgt Ion: 91 Resp: 20931
Ion Ratio Lower Upper
91 100
92 44.4 26.9 80.7
134 57.8 13.6 40.8

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



#95
Naphthalene
Concen: 5.806 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.000 min
Lab File: VN073736.D
Acq: 04 Aug 2022 15:05



Tgt Ion:128 Resp: 95370
Ion Ratio Lower Upper
128 100
127 13.9 10.3 15.5
129 9.2 8.6 13.0

