

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090122\
 Data File : VN074268.D
 Acq On : 02 Sep 2022 02:30
 Operator : JC\MD
 Sample : N4354-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-25

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/02/2022
 Supervised By : Mahesh Dadoda 09/02/2022

Quant Time: Sep 02 05:44:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 07:02:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	211629	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	404310	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	387365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	203860	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	158277	48.213	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.420%		
35) Dibromofluoromethane	7.951	113	129216	49.114	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.220%		
50) Toluene-d8	10.380	98	481244	46.448	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.900%		
62) 4-Bromofluorobenzene	12.669	95	201451	63.936	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	127.880%#		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.281	59	70450	90.476	ug/l #	72
16) Acetone	4.228	43	11457	5.223	ug/l	97
19) Methyl tert-butyl Ether	5.534	73	1079168	117.582	ug/l	92
22) Diisopropyl ether	6.422	45	24775	2.198	ug/l	93
31) Cyclohexane	8.022	56	23817	4.391	ug/l #	85
39) Methylcyclohexane	9.404	83	4122	0.823	ug/l	90
40) Benzene	8.392	78	2186303	163.115	ug/l	97
52) Toluene	10.445	92	1529030	193.540	ug/l	98
67) Ethyl Benzene	11.786	91	3081502	196.994	ug/l	99
68) m/p-Xylenes	11.898	106	1167746	200.953	ug/l	97
69) o-Xylene	12.222	106	1208217	208.665	ug/l	96
73) Isopropylbenzene	12.516	105	129687	7.428	ug/l	99
78) n-propylbenzene	12.857	91	366374	18.410	ug/l	93
80) 1,3,5-Trimethylbenzene	12.998	105	309511	21.799	ug/l	97
84) 1,2,4-Trimethylbenzene	13.304	105	2381331	173.777	ug/l	98
85) sec-Butylbenzene	13.439	105	13070m	0.767	ug/l	
86) p-Isopropyltoluene	13.551	119	8903	0.672	ug/l #	77
89) n-Butylbenzene	13.880	91	15347	1.329	ug/l #	75
95) Naphthalene	15.433	128	3331710	211.571	ug/l	99

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

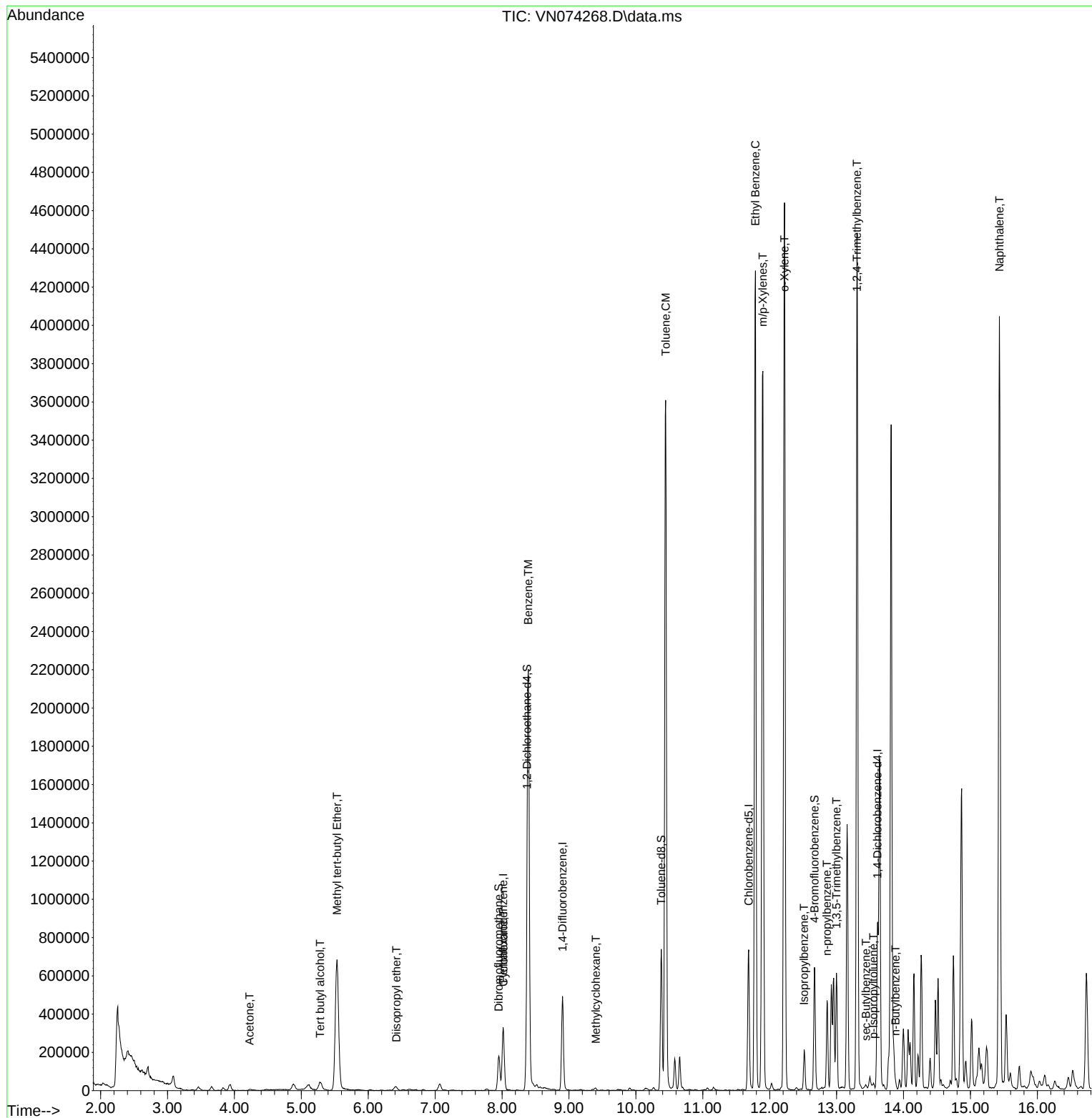
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090122\
Data File : VN074268.D
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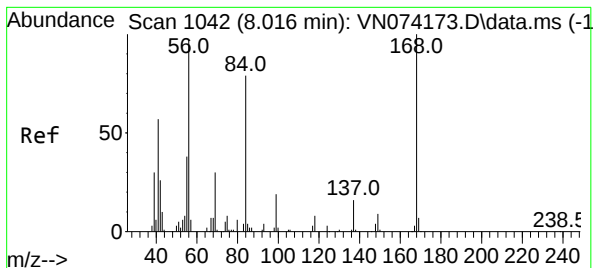
Instrument :
MSVOA_N
ClientSampleId :
MW-25

Quant Time: Sep 02 05:44:41 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 31 07:02:40 2022
Response via : Initial Calibration

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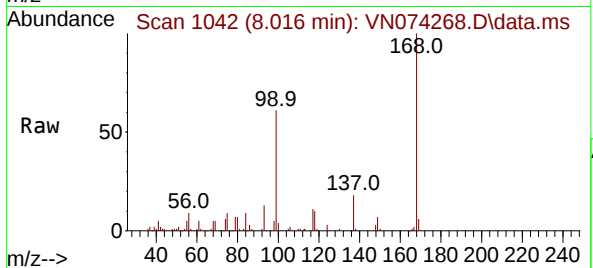
Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074268.D
Acq: 02 Sep 2022 02:30

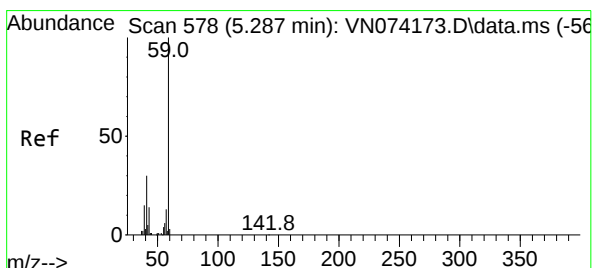
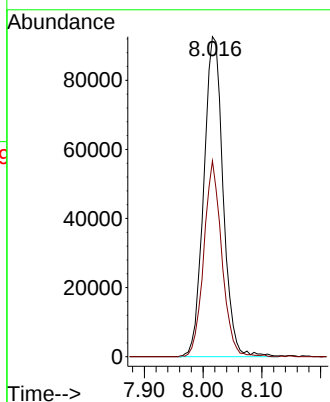
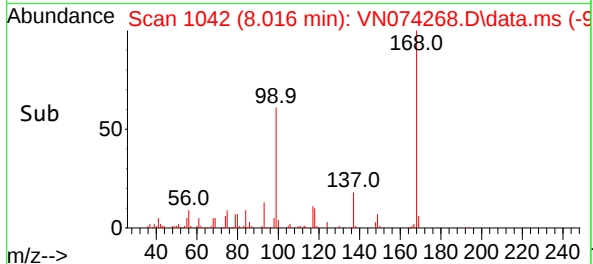
Instrument :
MSVOA_N
ClientSampleId :
MW-25



Tgt Ion:168 Resp: 211629
Ion Ratio Lower Upper
168 100
99 61.2 42.3 63.5

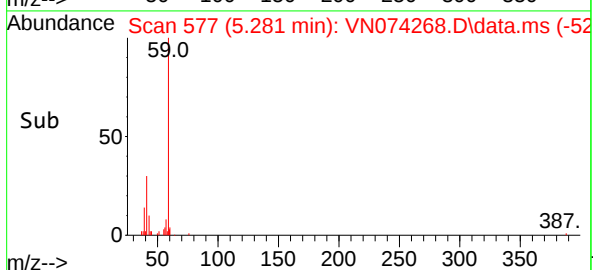
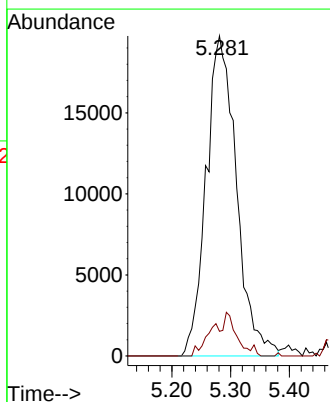
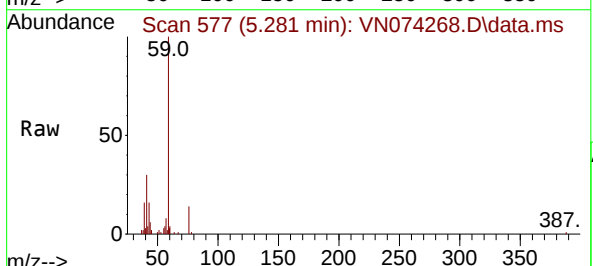
Manual Integrations
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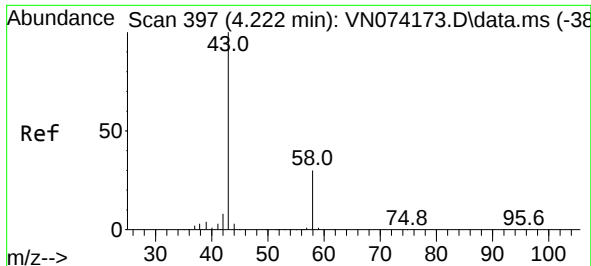
Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022



#11
Tert butyl alcohol
Concen: 90.476 ug/l
RT: 5.281 min Scan# 577
Delta R.T. -0.006 min
Lab File: VN074268.D
Acq: 02 Sep 2022 02:30

Tgt Ion: 59 Resp: 70450
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





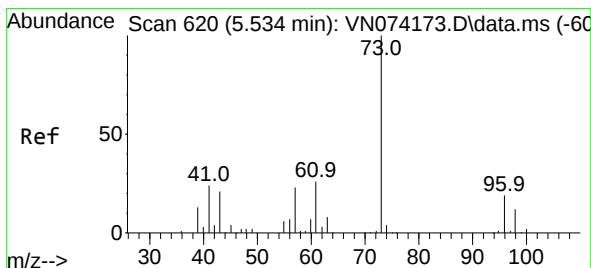
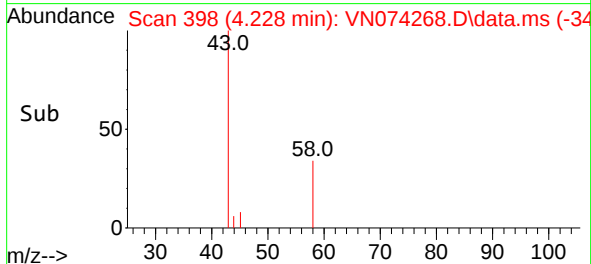
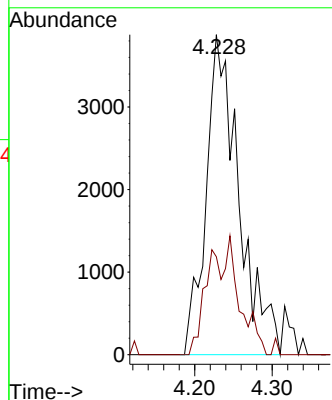
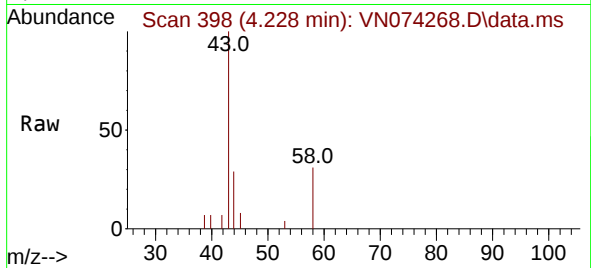
#16
Acetone
Concen: 5.223 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN074268.D
Acq: 02 Sep 2022 02:30

Instrument :
MSVOA_N
Client Sample Id :
MW-25

Tgt Ion: 43 Resp: 1145
Ion Ratio Lower Upper
43 100
58 30.6 26.0 39.0

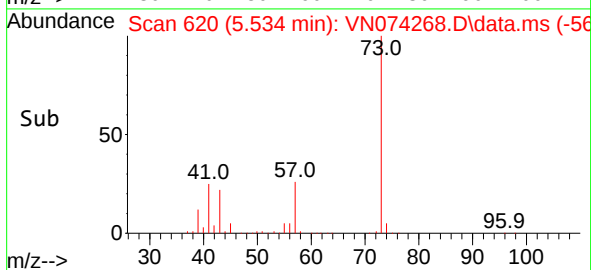
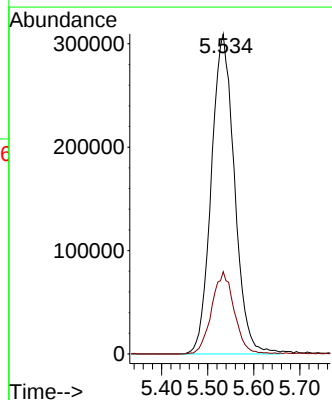
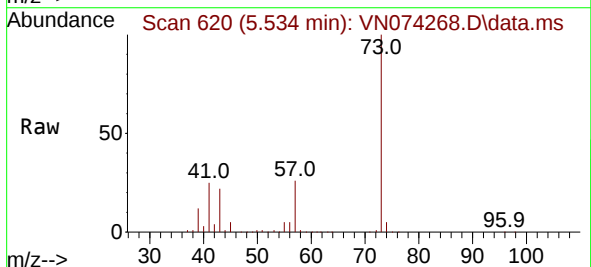
Manual Integrations
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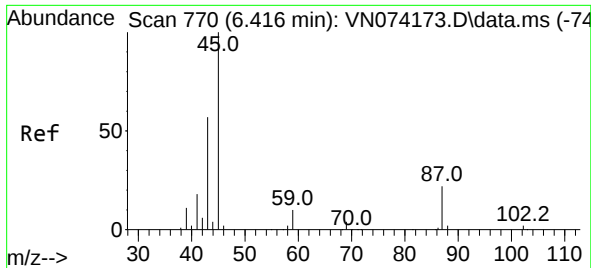
Reviewed By : John Carlone 09/02/2022
Supervised By : Mahesh Dadoda 09/02/2022



#19
Methyl tert-butyl Ether
Concen: 117.582 ug/l
RT: 5.534 min Scan# 620
Delta R.T. 0.000 min
Lab File: VN074268.D
Acq: 02 Sep 2022 02:30

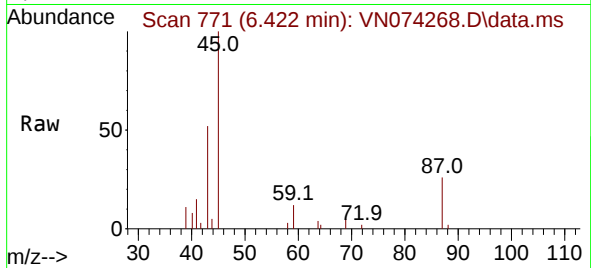
Tgt Ion: 73 Resp: 1079168
Ion Ratio Lower Upper
73 100
57 25.7 17.6 26.4





#22
Diisopropyl ether
Concen: 2.198 ug/l
RT: 6.422 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN074268.D
Acq: 02 Sep 2022 02:30

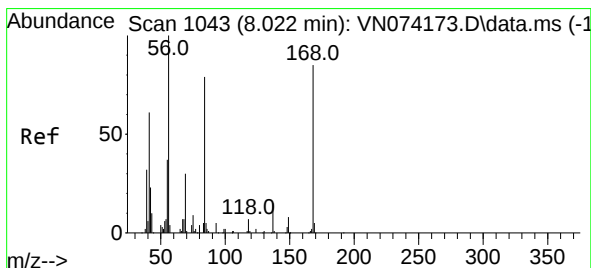
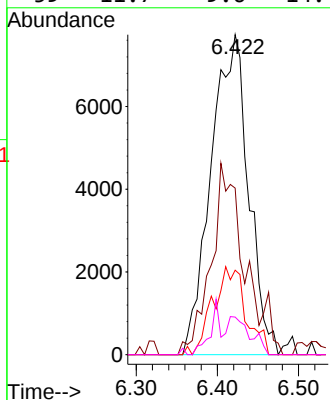
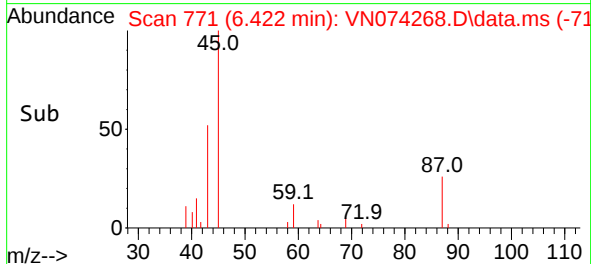
Instrument :
MSVOA_N
ClientSampleId :
MW-25



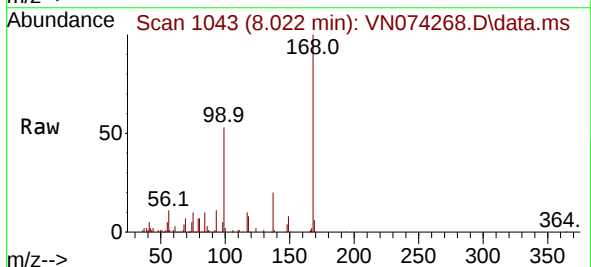
Tgt Ion: 45 Resp: 24775
Ion Ratio Lower Upper
45 100
43 52.0 46.6 70.0
87 26.4 24.3 36.5
59 11.7 9.6 14.4

Manual Integrations
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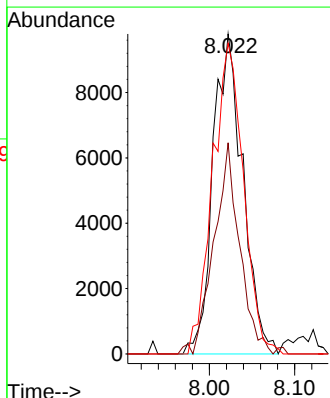
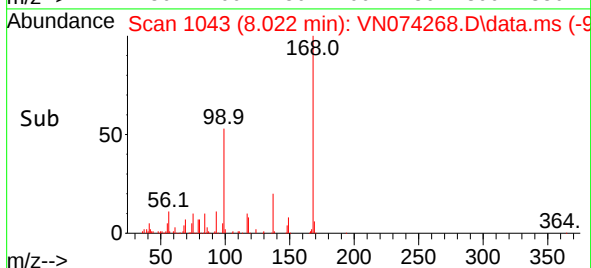
Reviewed By :John Carbone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022

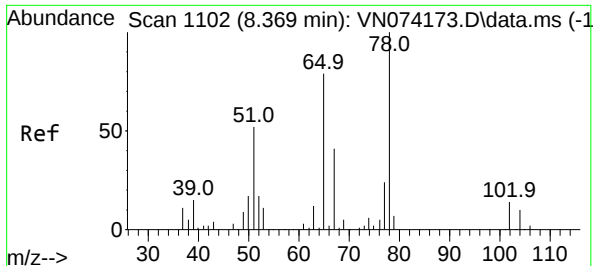


#31
Cyclohexane
Concen: 4.391 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VN074268.D
Acq: 02 Sep 2022 02:30



Tgt Ion: 56 Resp: 23817
Ion Ratio Lower Upper
56 100
69 66.0 27.8 41.8#
84 97.1 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 48.213 ug/l

RT: 8.375 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VN074268.D

Acq: 02 Sep 2022 02:30

Instrument :

MSVOA_N

ClientSampleId :

MW-25

Tgt Ion: 65 Resp: 15827

Ion Ratio Lower Upper

65 100

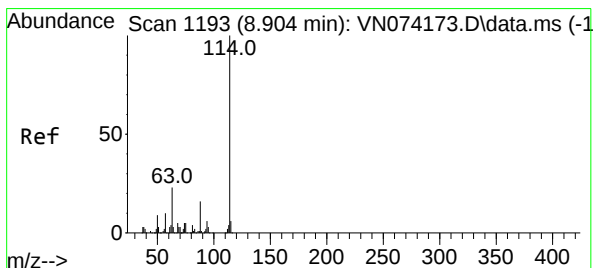
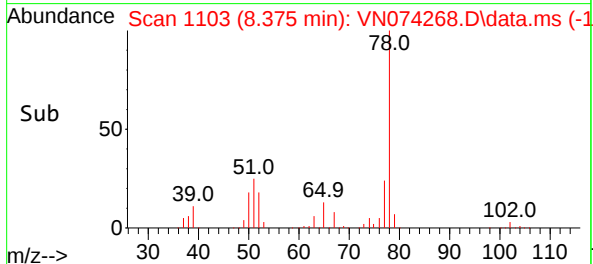
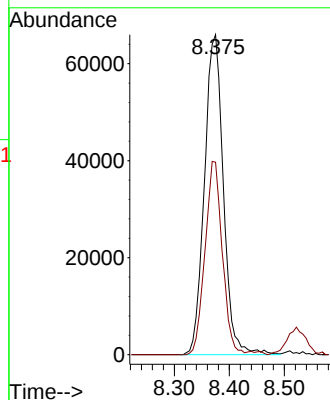
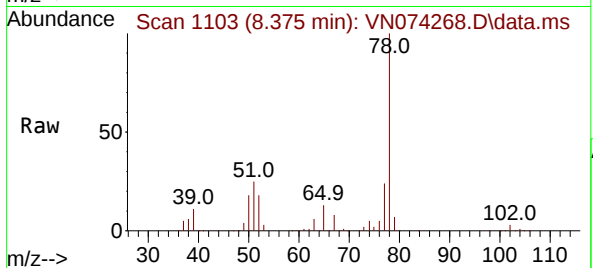
67 55.1 0.0 104.8

Manual Integrations

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Supervised By :Mahesh Dadoda 09/02/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN074268.D

Acq: 02 Sep 2022 02:30

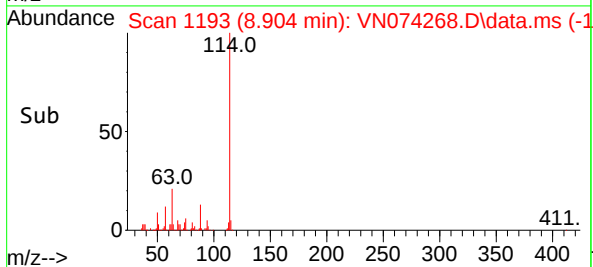
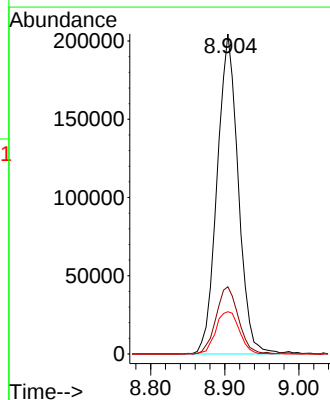
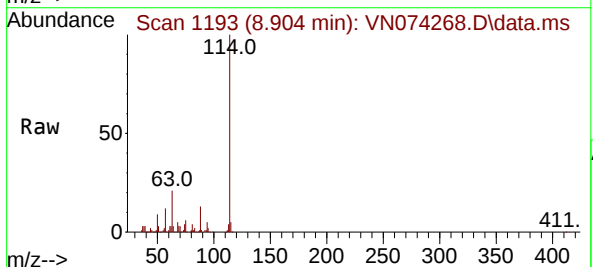
Tgt Ion:114 Resp: 404310

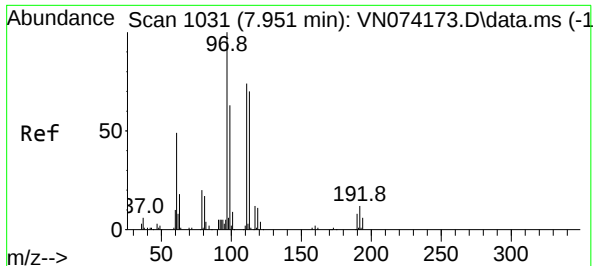
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.0

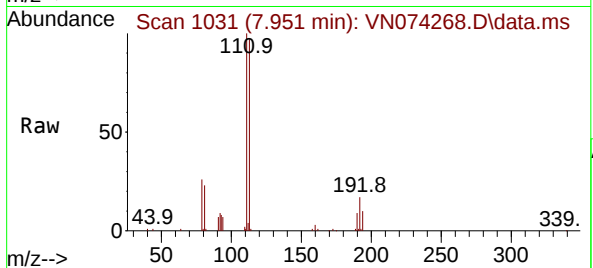
88 13.2 0.0 32.6





#35
Dibromofluoromethane
Concen: 49.114 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074268.D
Acq: 02 Sep 2022 02:30

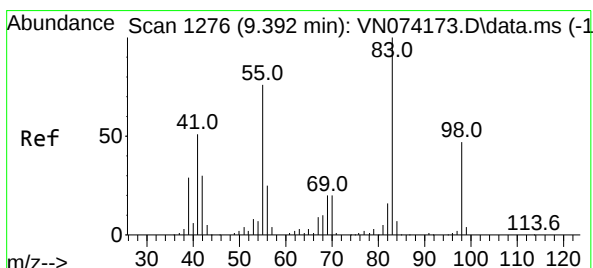
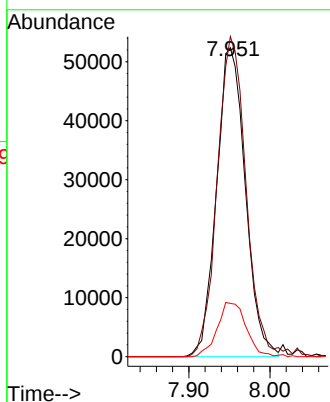
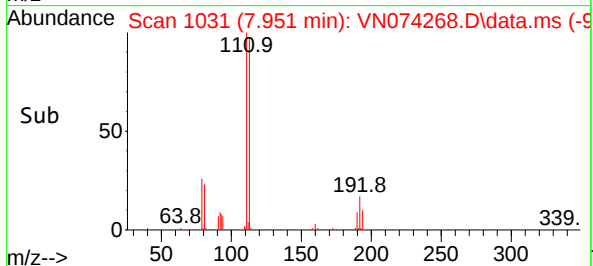
Instrument :
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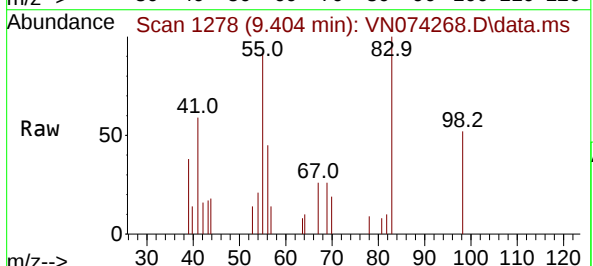
Tgt Ion: 113 Resp: 129210
Ion Ratio Lower Upper
113 100
111 104.2 81.4 122.0
192 17.7 17.0 25.6

Manual Integrations
APPROVED

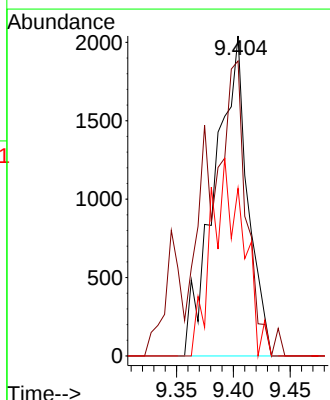
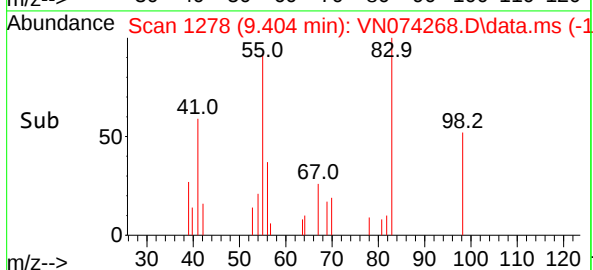
Reviewed By :John Carlone 09/02/2022
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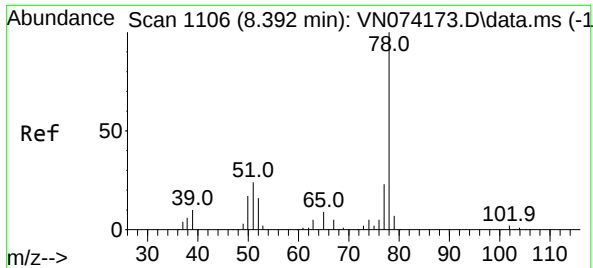


#39
Methylcyclohexane
Concen: 0.823 ug/l
RT: 9.404 min Scan# 1278
Delta R.T. 0.012 min
Lab File: VN074268.D
Acq: 02 Sep 2022 02:30



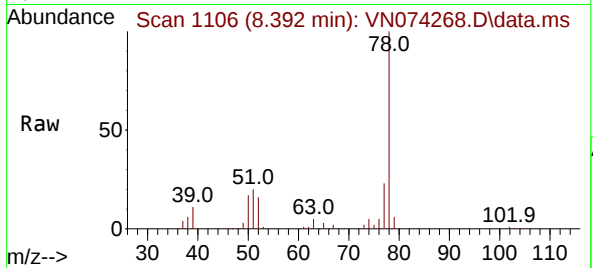
Tgt Ion: 83 Resp: 4122
Ion Ratio Lower Upper
83 100
55 83.6 57.8 86.8
98 52.4 39.4 59.2





#40
Benzene
Concen: 163.115 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN074268.D
Acq: 02 Sep 2022 02:30

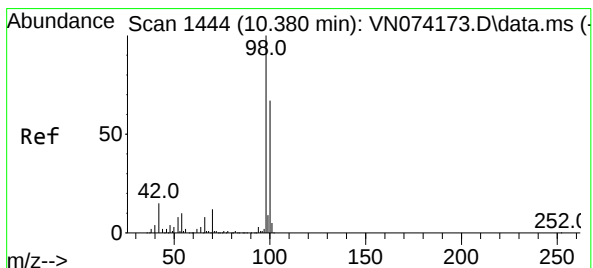
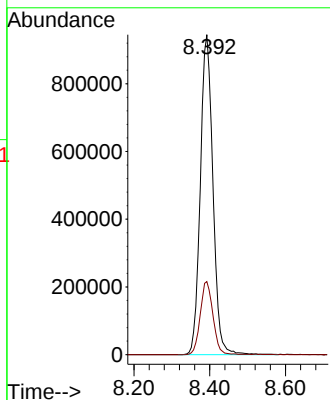
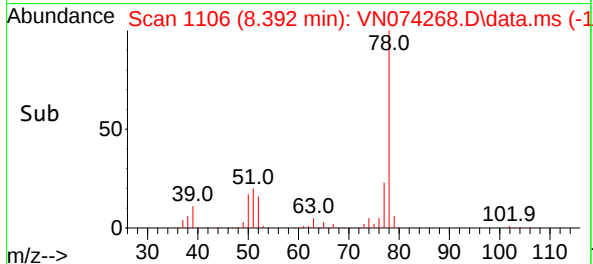
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Tgt Ion: 78 Resp: 218630
Ion Ratio Lower Upper
78 100
77 22.9 19.4 29.0

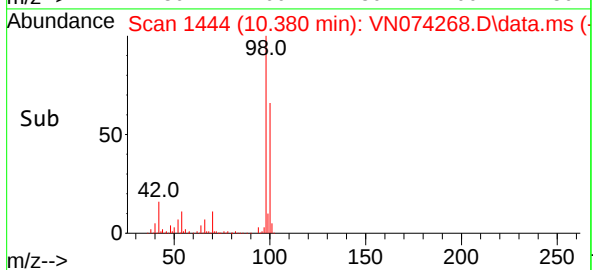
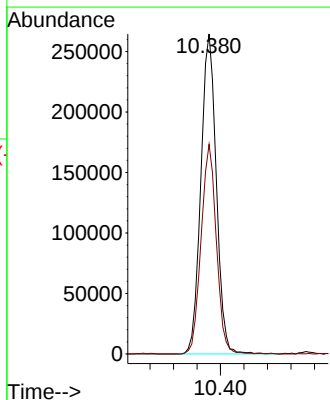
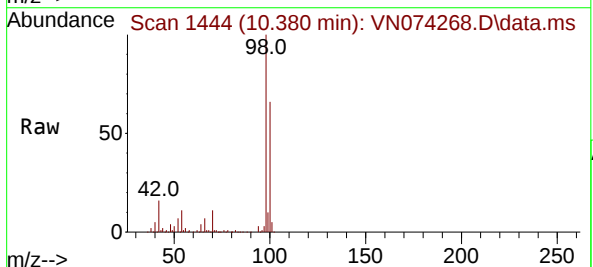
Manual Integrations
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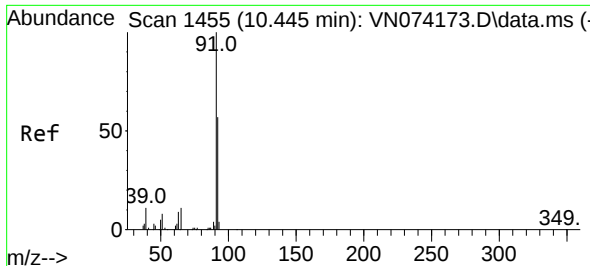
Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022



#50
Toluene-d8
Concen: 46.448 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074268.D
Acq: 02 Sep 2022 02:30

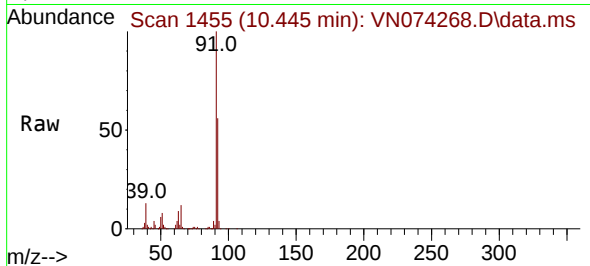
Tgt Ion: 98 Resp: 481244
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8





#52
Toluene
Concen: 193.540 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN074268.D
Acq: 02 Sep 2022 02:30

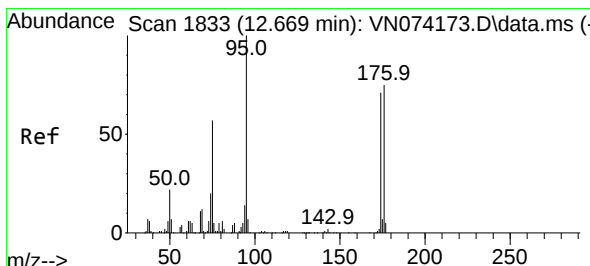
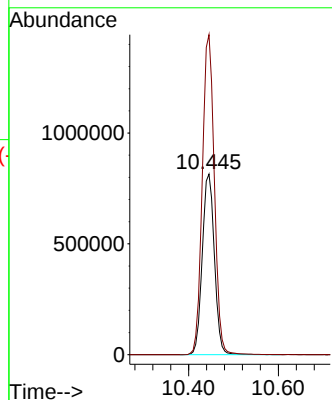
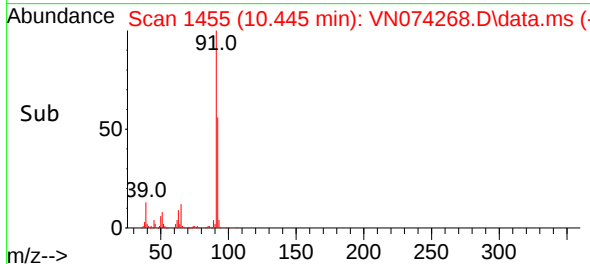
Instrument :
MSVOA_N
ClientSampleId :
MW-25



Tgt Ion: 92 Resp: 1529030
Ion Ratio Lower Upper
92 100
91 175.7 138.6 207.8

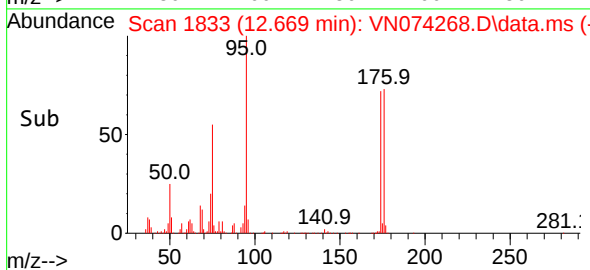
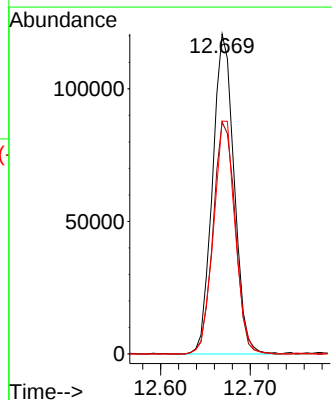
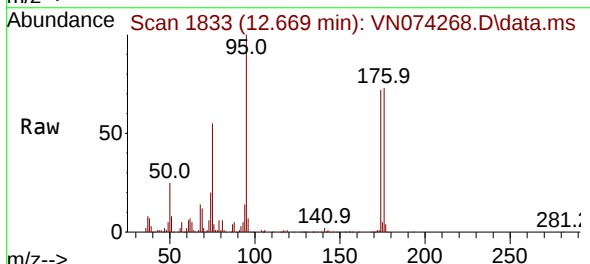
Manual Integrations
APPROVED

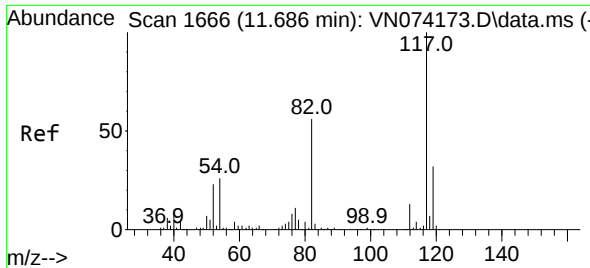
Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022



#62
4-Bromofluorobenzene
Concen: 63.936 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN074268.D
Acq: 02 Sep 2022 02:30

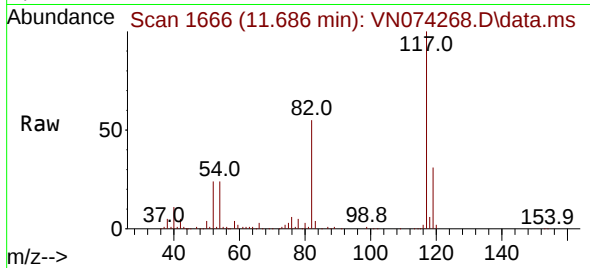
Tgt Ion: 95 Resp: 201451
Ion Ratio Lower Upper
95 100
174 74.2 0.0 167.6
176 73.4 0.0 163.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074268.D
Acq: 02 Sep 2022 02:30

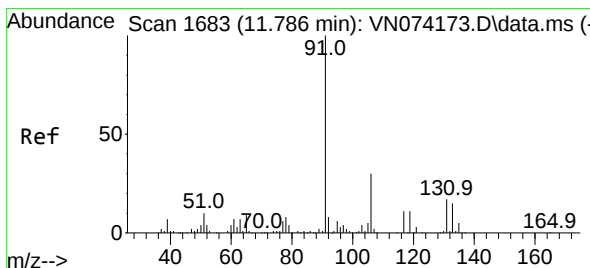
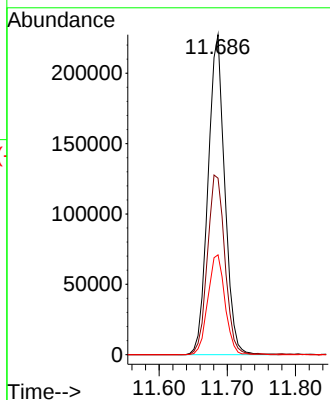
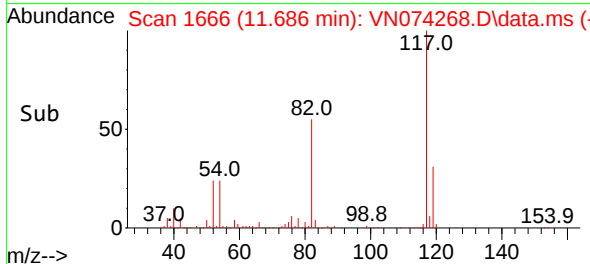
Instrument :
MSVOA_N
ClientSampleId :
MW-25



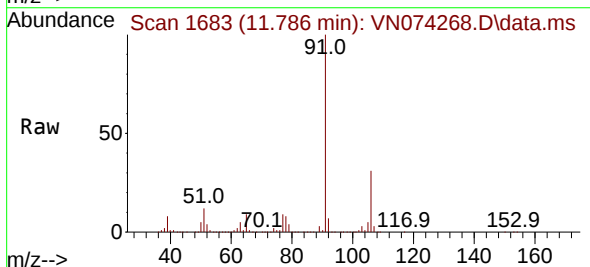
Tgt Ion: 117 Resp: 38736
Ion Ratio Lower Upper
117 100
82 55.2 44.2 66.2
119 31.2 25.4 38.0

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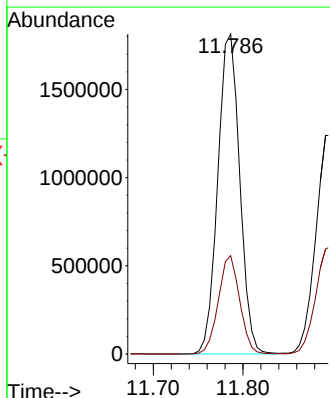
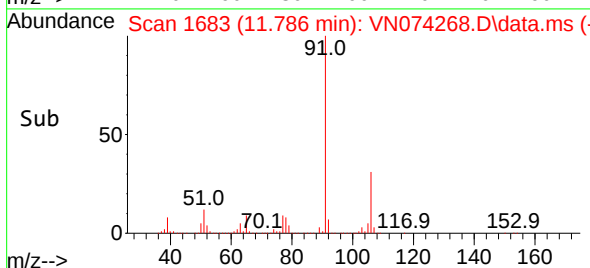
Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022

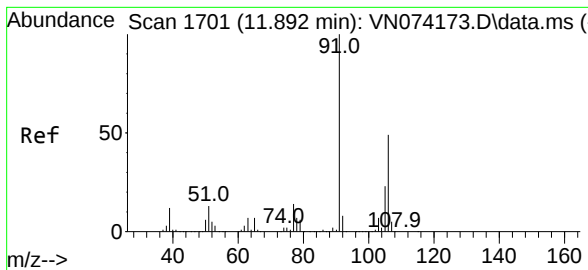


#67
Ethyl Benzene
Concen: 196.994 ug/l
RT: 11.786 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VN074268.D
Acq: 02 Sep 2022 02:30



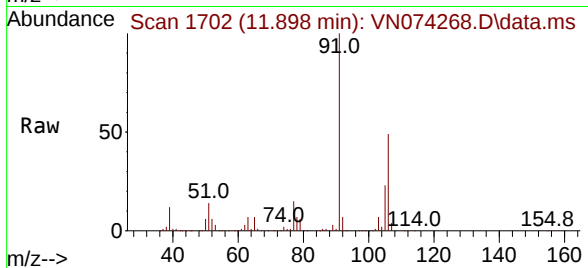
Tgt Ion: 91 Resp: 3081502
Ion Ratio Lower Upper
91 100
106 30.7 24.9 37.3





#68
m/p-Xylenes
Concen: 200.953 ug/l
RT: 11.898 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074268.D
Acq: 02 Sep 2022 02:30

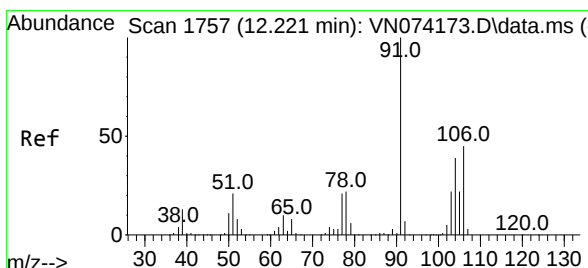
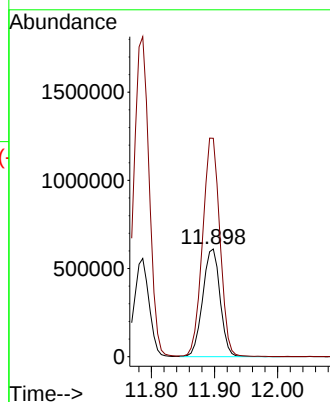
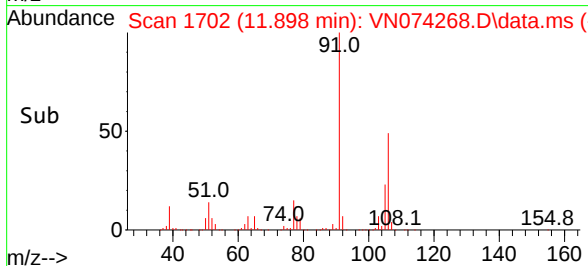
Instrument :
MSVOA_N
ClientSampleId :
MW-25



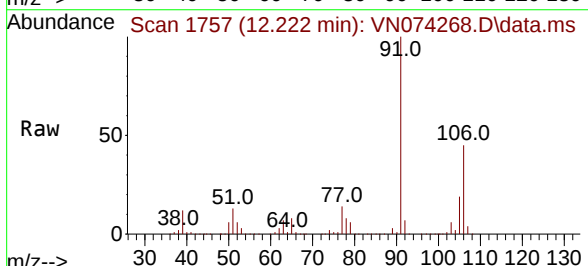
Tgt Ion:106 Resp: 1167740
Ion Ratio Lower Upper
106 100
91 202.6 158.9 238.3

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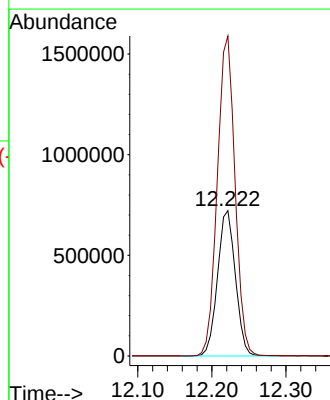
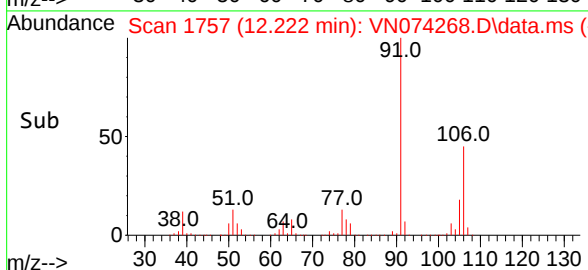
Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022

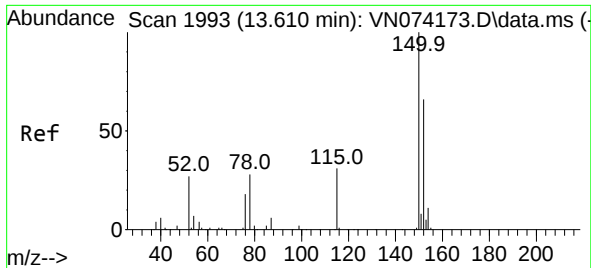


#69
o-Xylene
Concen: 208.665 ug/l
RT: 12.222 min Scan# 1757
Delta R.T. 0.000 min
Lab File: VN074268.D
Acq: 02 Sep 2022 02:30



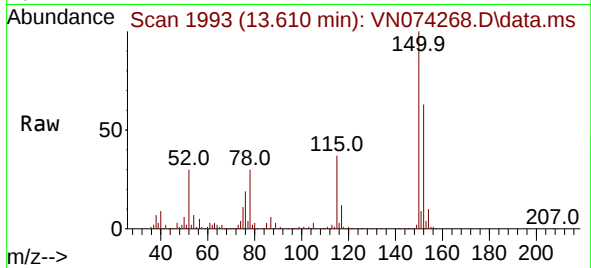
Tgt Ion:106 Resp: 1208217
Ion Ratio Lower Upper
106 100
91 218.5 106.0 318.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN074268.D
Acq: 02 Sep 2022 02:30

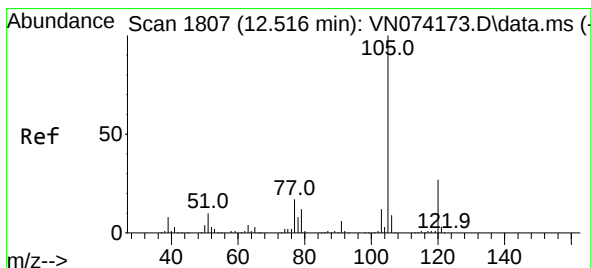
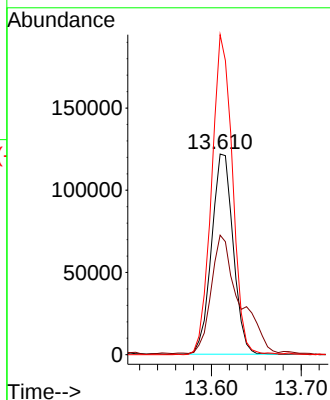
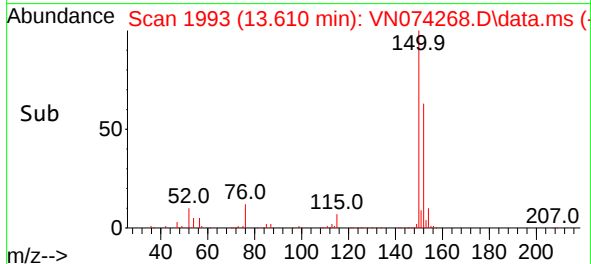
Instrument :
MSVOA_N
ClientSampleId :
MW-25



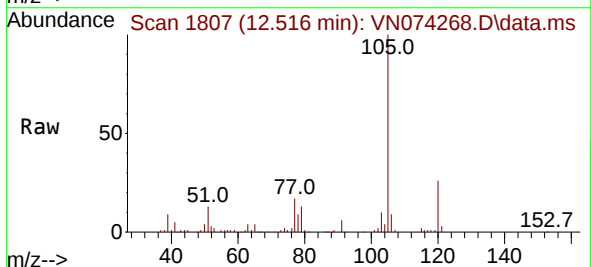
Tgt Ion:152 Resp: 203860
Ion Ratio Lower Upper
152 100
115 77.0 28.9 86.7
150 154.4 0.0 356.2

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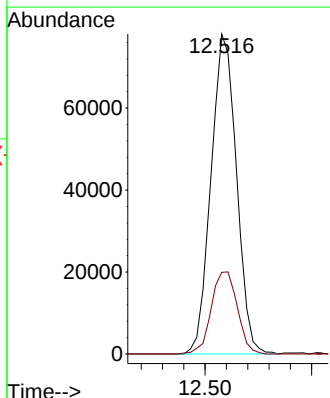
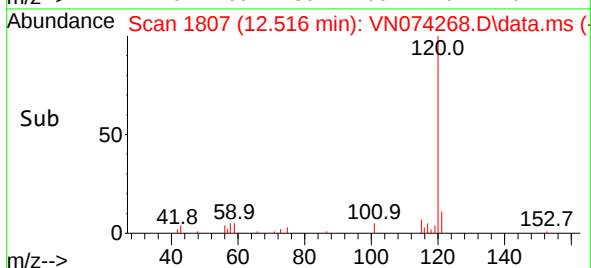
Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022

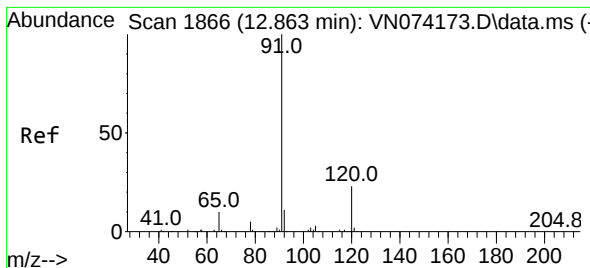


#73
Isopropylbenzene
Concen: 7.428 ug/l
RT: 12.516 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN074268.D
Acq: 02 Sep 2022 02:30



Tgt Ion:105 Resp: 129687
Ion Ratio Lower Upper
105 100
120 26.3 13.5 40.4





#78

n-propylbenzene

Concen: 18.410 ug/l

RT: 12.857 min Scan# 1865

Delta R.T. -0.006 min

Lab File: VN074268.D

Acq: 02 Sep 2022 02:30

Instrument :

MSVOA_N

ClientSampleId :

MW-25

Tgt Ion: 91 Resp: 366374

Ion Ratio Lower Upper

91 100

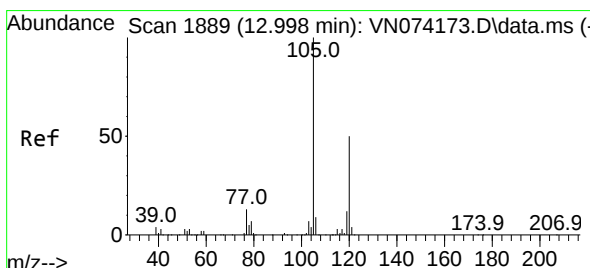
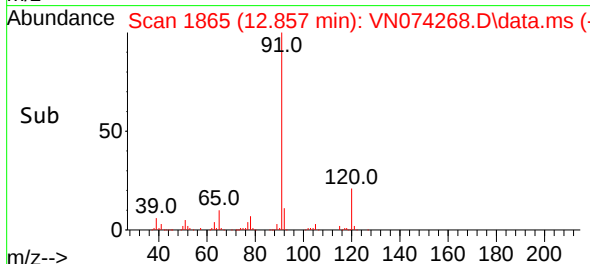
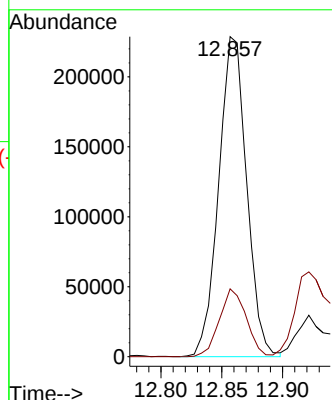
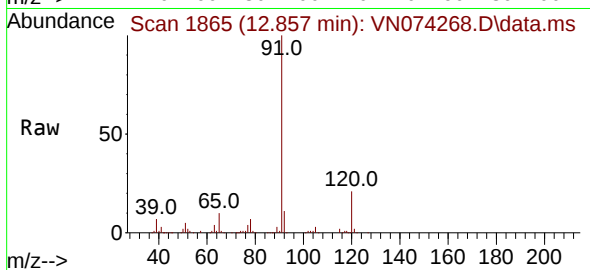
120 20.4 11.9 35.5

Manual Integrations

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Reviewed By :John Carlone 09/02/2022

Supervised By :Mahesh Dadoda 09/02/2022



#80

1,3,5-Trimethylbenzene

Concen: 21.799 ug/l

RT: 12.998 min Scan# 1889

Delta R.T. 0.000 min

Lab File: VN074268.D

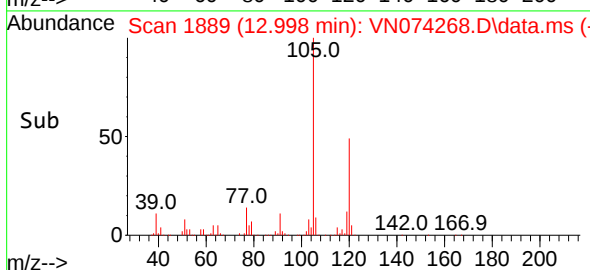
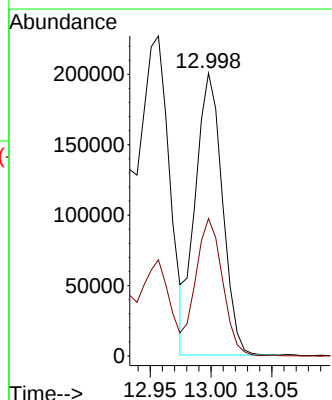
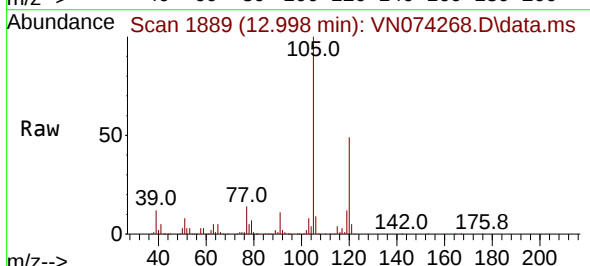
Acq: 02 Sep 2022 02:30

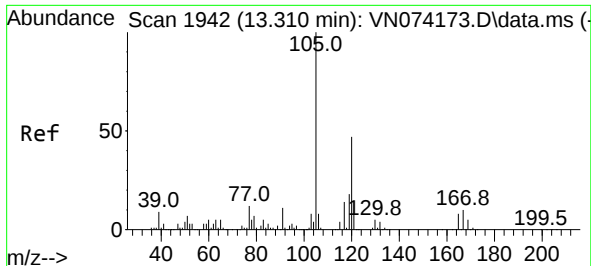
Tgt Ion:105 Resp: 309511

Ion Ratio Lower Upper

105 100

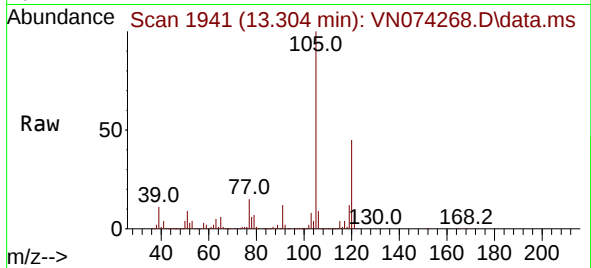
120 48.0 24.9 74.7





#84
1,2,4-Trimethylbenzene
Concen: 173.777 ug/l
RT: 13.304 min Scan# 1941
Delta R.T. -0.006 min
Lab File: VN074268.D
Acq: 02 Sep 2022 02:30

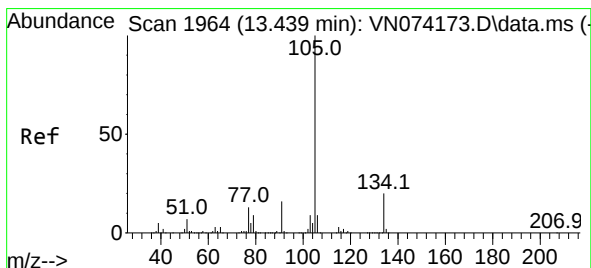
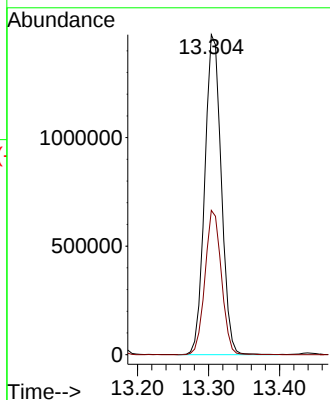
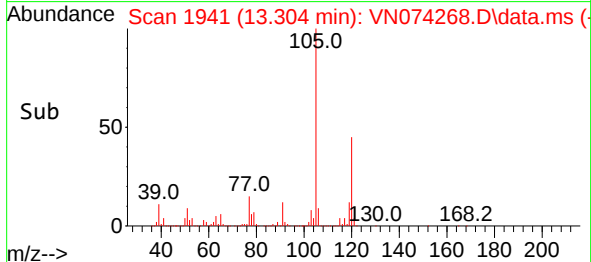
Instrument :
MSVOA_N
ClientSampleId :
MW-25



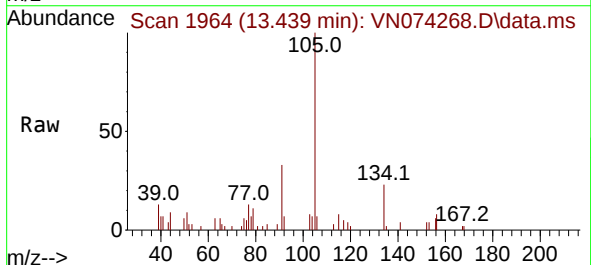
Tgt Ion:105 Resp: 238133
Ion Ratio Lower Upper
105 100
120 44.9 23.3 69.8

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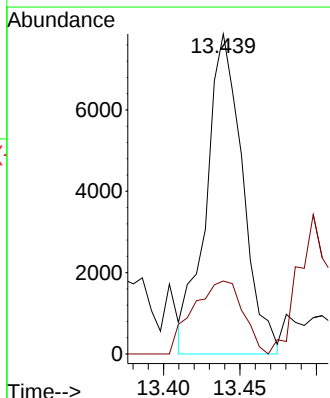
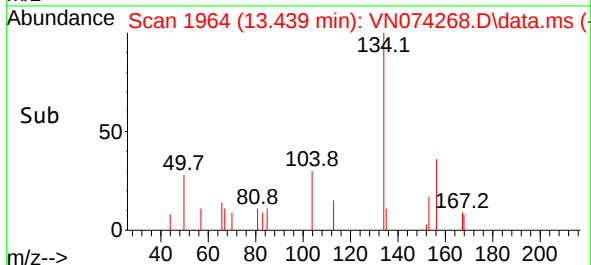
Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022

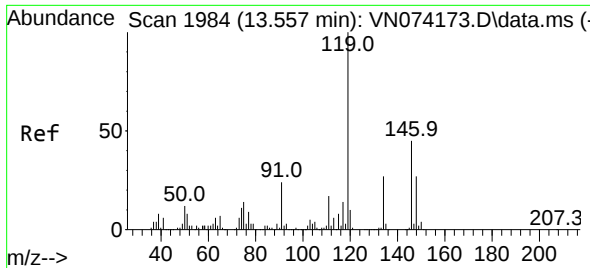


#85
sec-Butylbenzene
Concen: 0.767 ug/l m
RT: 13.439 min Scan# 1964
Delta R.T. 0.000 min
Lab File: VN074268.D
Acq: 02 Sep 2022 02:30



Tgt Ion:105 Resp: 13070
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#





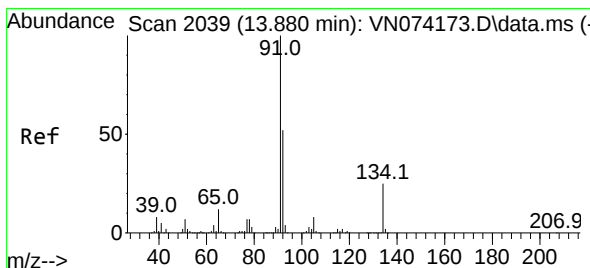
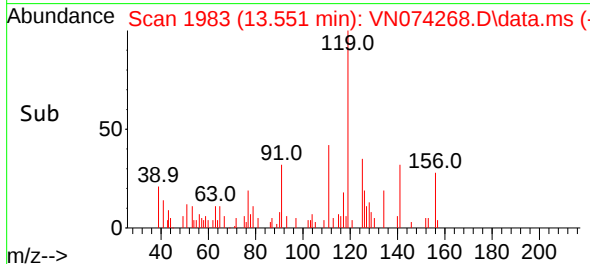
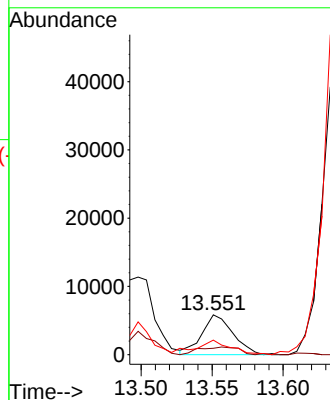
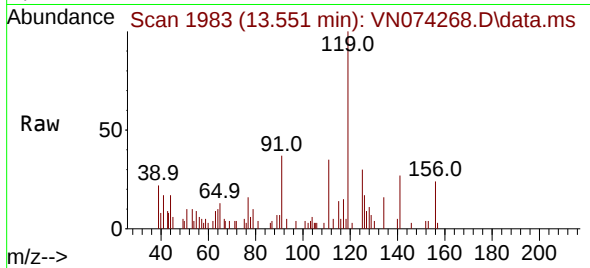
#86
p-Isopropyltoluene
Concen: 0.672 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. -0.006 min
Lab File: VN074268.D
Acq: 02 Sep 2022 02:30

Instrument :
MSVOA_N
ClientSampleId :
MW-25

Tgt Ion:119 Resp: 890
Ion Ratio Lower Upper
119 100
134 25.4 13.3 39.8
91 0.0 11.3 33.9

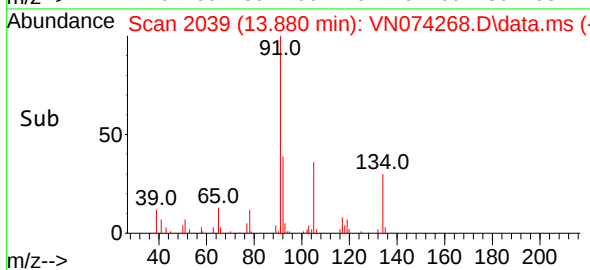
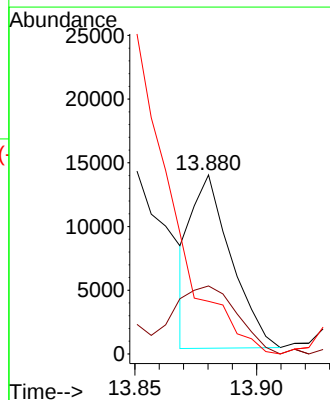
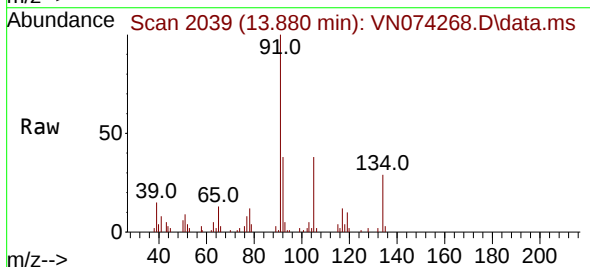
Manual Integrations
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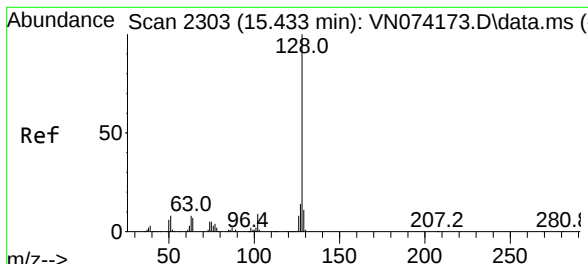
Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022



#89
n-Butylbenzene
Concen: 1.329 ug/l
RT: 13.880 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VN074268.D
Acq: 02 Sep 2022 02:30

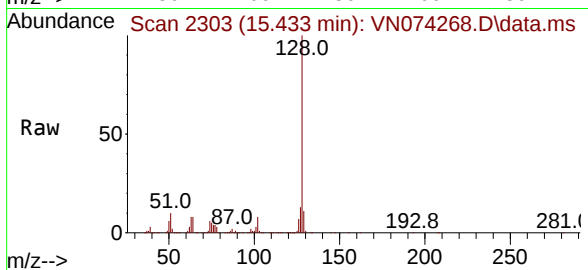
Tgt Ion: 91 Resp: 15347
Ion Ratio Lower Upper
91 100
92 62.2 26.9 80.7
134 0.0 13.6 40.8





#95
 Naphthalene
 Concen: 211.571 ug/l
 RT: 15.433 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN074268.D
 Acq: 02 Sep 2022 02:30

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-25



Tgt Ion:128 Resp: 3331710
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.3 15.5
 129 10.6 8.6 13.0

Manual Integrations
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Reviewed By :John Carlone 09/02/2022
 Supervised By :Mahesh Dadoda 09/02/2022

