

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020123\
 Data File : VY012446.D
 Acq On : 01 Feb 2023 16:49
 Operator : KP/MD
 Sample : 01383-01
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 0042

Quant Time: Feb 01 23:06:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 02/02/2023
 Supervised By :Mahesh Dadoda 02/02/2023

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

Internal Standards						02/02/2023
1) Pentafluorobenzene	7.795	168	177340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	280244	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	207018	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	54779	50.000	ug/l	0.00
System Monitoring Compounds						02/02/2023
33) 1,2-Dichloroethane-d4	8.143	65	78583	53.755	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.520%	
35) Dibromofluoromethane	7.722	113	76630	51.641	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.280%	
50) Toluene-d8	10.179	98	367518	73.519	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 147.040%#	
62) 4-Bromofluorobenzene	12.483	95	92247	44.099	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 88.200%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.954	59	42521	243.435	ug/l	97
16) Acetone	3.948	43	20784775	42090.388	ug/l	92
17) Carbon Disulfide	4.192	76	5704	1.132	ug/l	97
18) Methyl Acetate	4.485	43	12665	11.462	ug/l	# 87
20) Methylene Chloride	4.716	84	21162	2.727	ug/l	# 82
25) 2-Butanone	6.984	43	85280	156.431	ug/l	92
39) Methylcyclohexane	9.185	83	2105167	683.076	ug/l	98
40) Benzene	8.161	78	31221	4.289	ug/l	99
48) Methyl methacrylate	9.295	41	113470	119.062	ug/l	97
51) 4-Methyl-2-Pentanone	10.069	43	451161	409.055	ug/l	91
52) Toluene	10.246	92	6304913	1300.942	ug/l	92
67) Ethyl Benzene	11.593	91	3486980	460.631	ug/l	97
68) m/p-Xylenes	11.703	106	4531527	1514.007	ug/l	96
69) o-Xylene	12.032	106	1633471	571.377	ug/l	99
73) Isopropylbenzene	12.331	105	544521	137.851	ug/l	99
78) n-propylbenzene	12.672	91	1012030	218.946	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	654697	190.660	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	2094598	618.531	ug/l	100
85) sec-Butylbenzene	13.251	105	199914	46.916	ug/l	80
86) p-Isopropyltoluene	13.367	119	102127	27.432	ug/l	99
89) n-Butylbenzene	13.696	91	182416m	56.540	ug/l	
95) Naphthalene	15.239	128	81143	38.037	ug/l	97

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

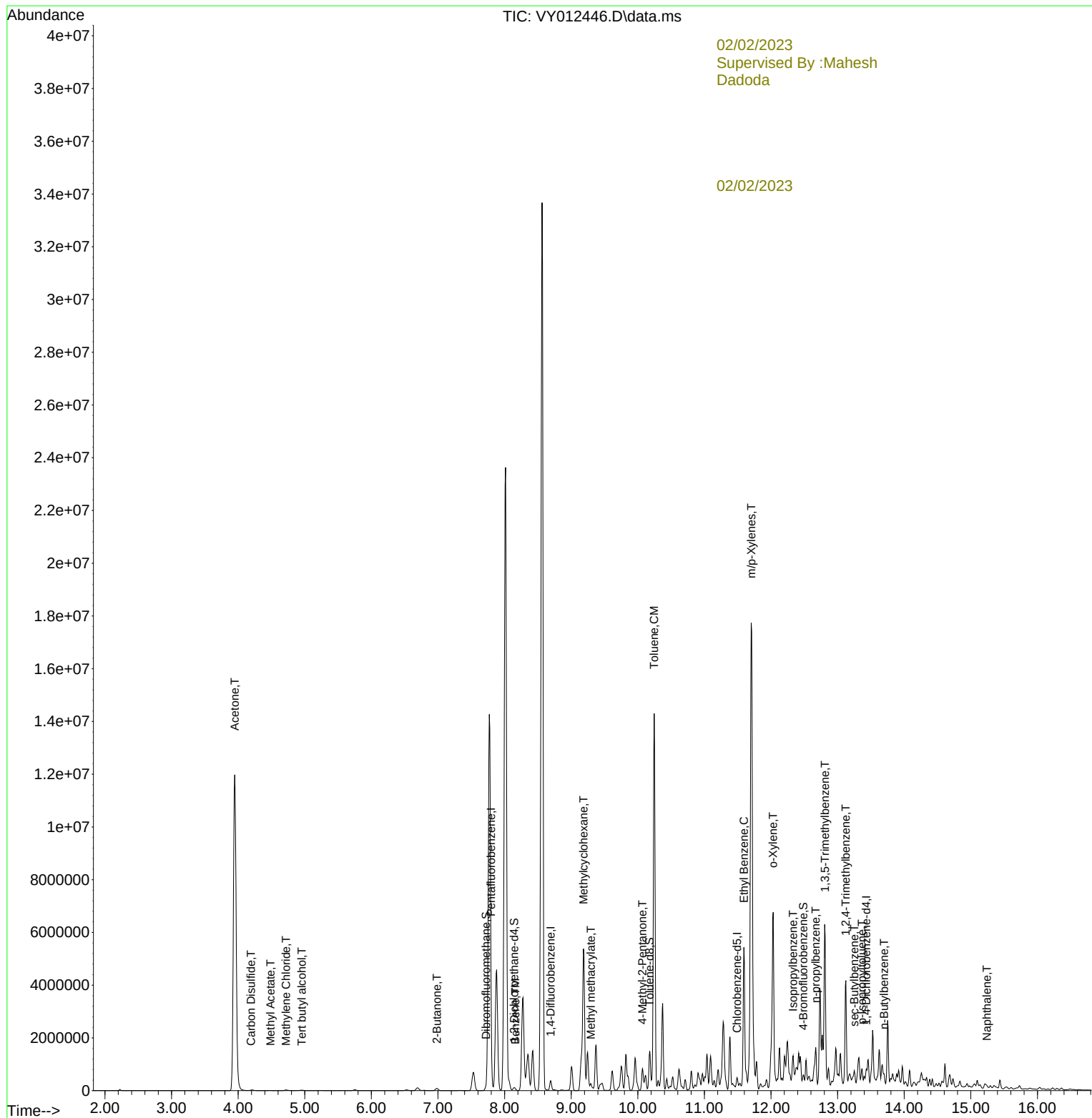
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020123\
Data File : VY012446.D
Acq On : 01 Feb 2023 16:49
Operator : KP/MD
Sample : 01383-01
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

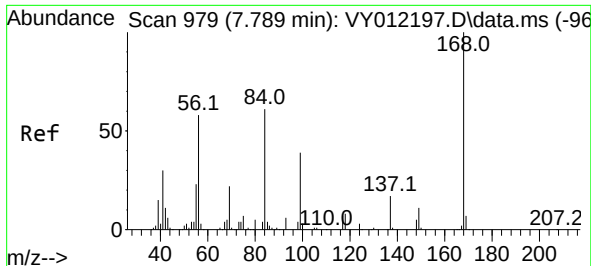
Instrument :
MSVOA_Y
ClientSampleId :
0042

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 02/02/2023
Supervised By :Mahesh Dadoda 02/02/2023

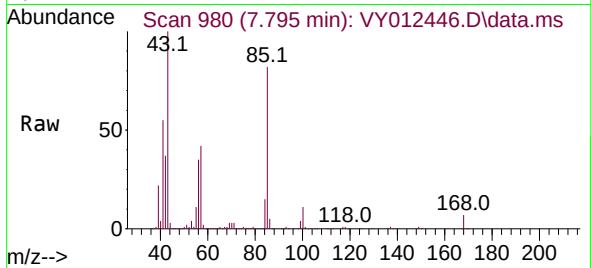
Quant Time: Feb 01 23:06:42 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 17 04:31:47 2023
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

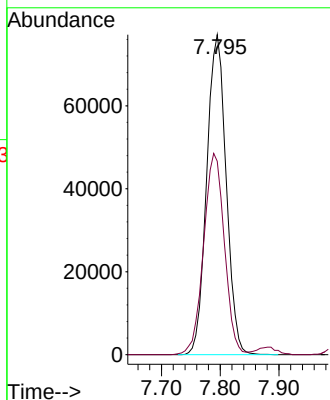
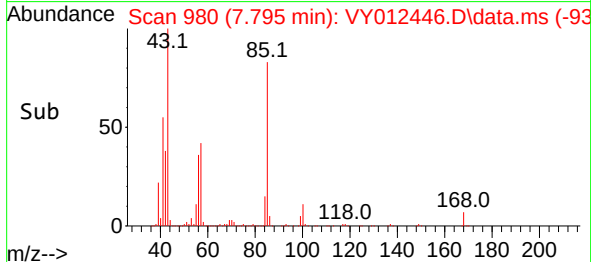
Instrument :
MSVOA_Y
ClientSampleId :
0042



Tgt Ion:168 Resp: 177340
Ion Ratio Lower Upper
168 100
99 60.1 44.0 66.0

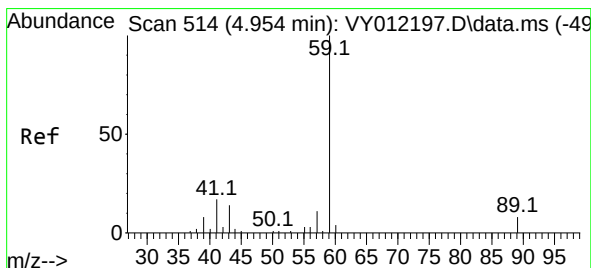
Manual Integrations
APPROVED

Reviewed By :Krupa Patel 02/02/2023
Supervised By :Mahesh Dadoda 02/02/2023



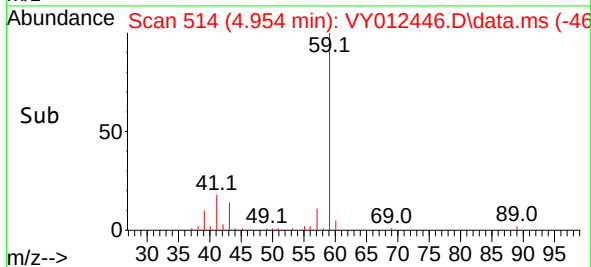
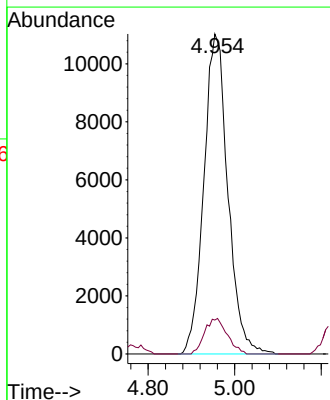
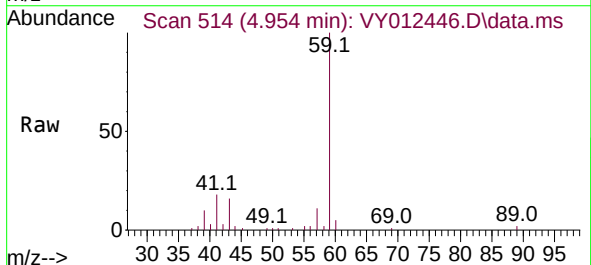
02/02/2023
Supervised By :Mahesh
Dadoda

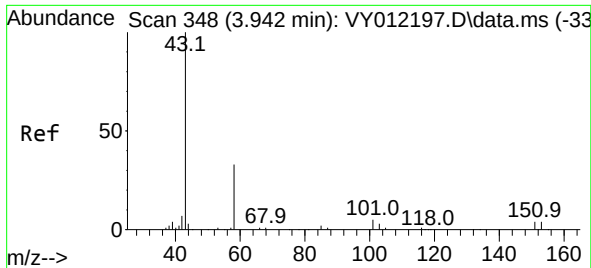
02/02/2023



#11
Tert butyl alcohol
Concen: 243.435 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

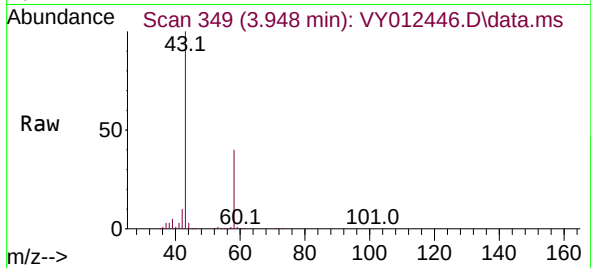
Tgt Ion: 59 Resp: 42521
Ion Ratio Lower Upper
59 100
57 10.4 7.4 11.2





#16
Acetone
Concen: 42090.388 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

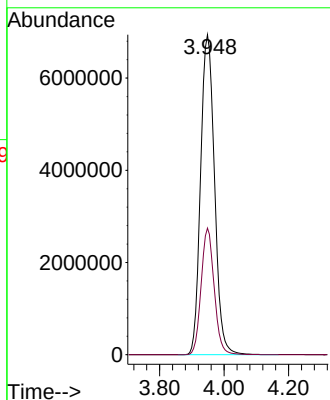
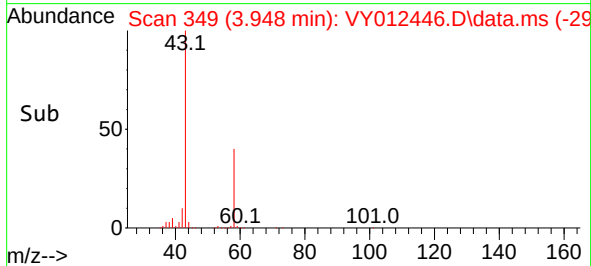
Instrument :
MSVOA_Y
ClientSampleId :
0042



Tgt Ion: 43 Resp: 20784775
Ion Ratio Lower Upper
43 100
58 39.6 27.9 41.9

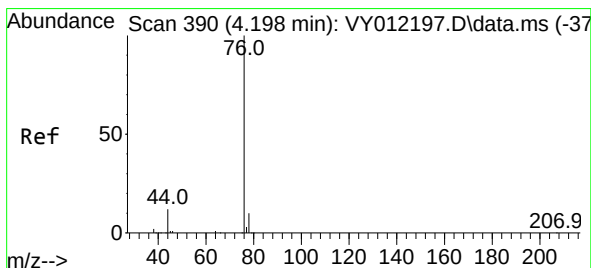
Manual Integrations
APPROVED

Reviewed By :Krupa Patel 02/02/2023
Supervised By :Mahesh Dadoda 02/02/2023



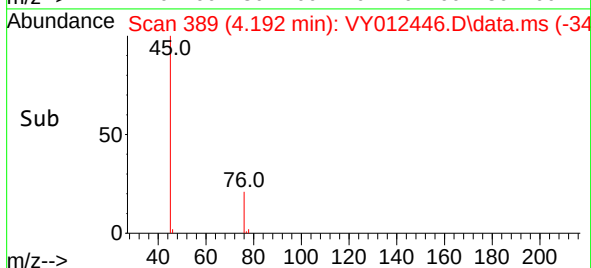
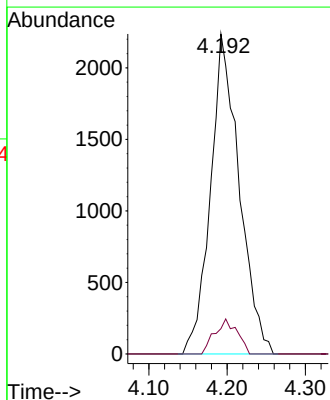
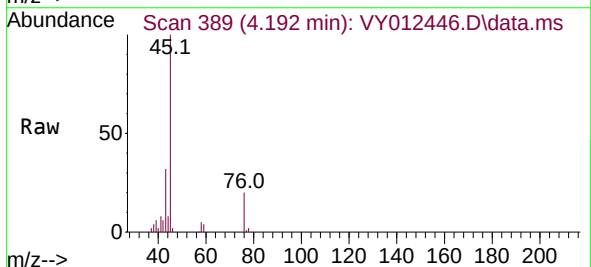
02/02/2023
Supervised By :Mahesh
Dadoda

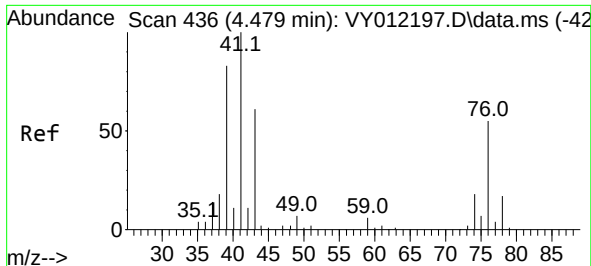
02/02/2023



#17
Carbon Disulfide
Concen: 1.132 ug/l
RT: 4.192 min Scan# 389
Delta R.T. -0.006 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

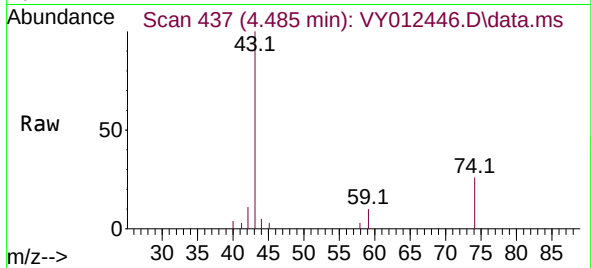
Tgt Ion: 76 Resp: 5704
Ion Ratio Lower Upper
76 100
78 7.9 7.2 10.8





#18
Methyl Acetate
Concen: 11.462 ug/l
RT: 4.485 min Scan# 436
Delta R.T. 0.012 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

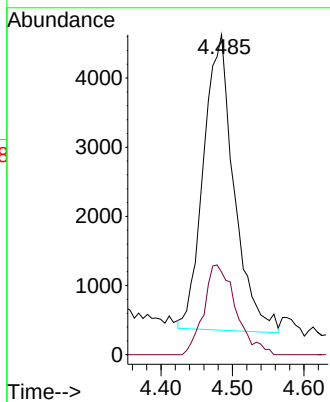
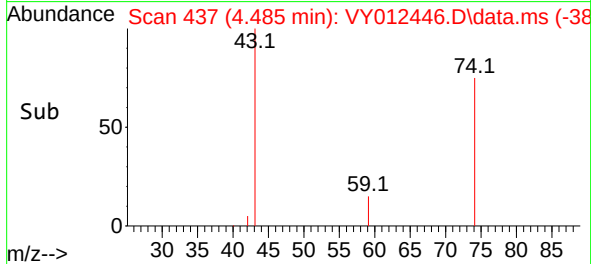
Instrument :
MSVOA_Y
ClientSampleId :
0042



Tgt Ion: 43 Resp: 1266
Ion Ratio Lower Upper
43 100
74 31.9 20.1 30.1

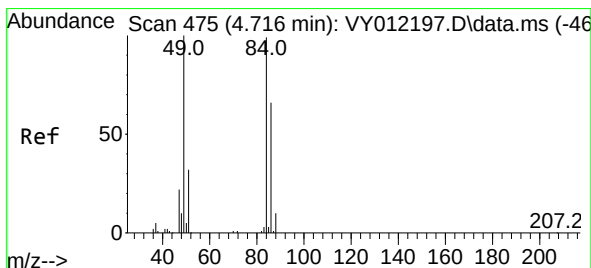
Manual Integrations
APPROVED

Reviewed By :Krupa Patel 02/02/2023
Supervised By :Mahesh Dadoda 02/02/2023



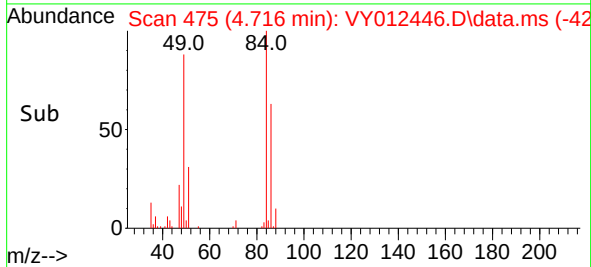
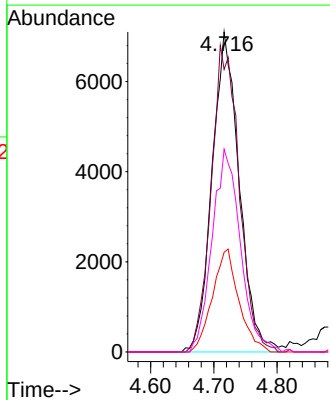
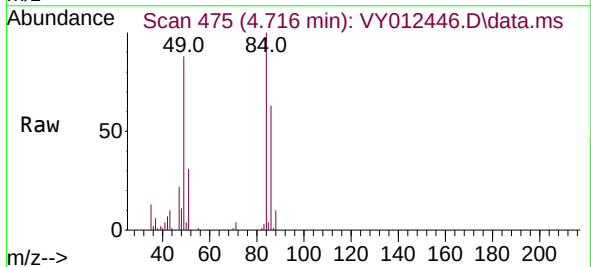
02/02/2023
Supervised By :Mahesh
Dadoda

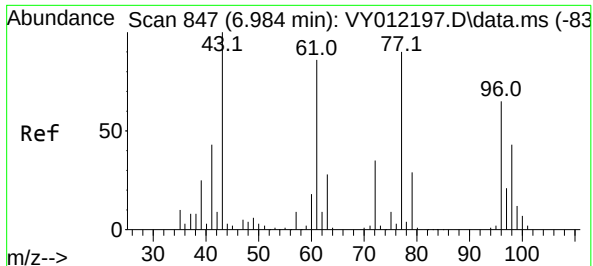
02/02/2023



#20
Methylene Chloride
Concen: 2.727 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

Tgt Ion: 84 Resp: 21162
Ion Ratio Lower Upper
84 100
49 88.3 95.4 143.2#
51 31.1 29.9 44.9
86 63.3 49.6 74.4





#25

2-Butanone

Concen: 156.431 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012446.D

Acq: 01 Feb 2023 16:49

Instrument :

MSVOA_Y

ClientSampleId :

0042

Tgt Ion: 43 Resp: 85280

Ion Ratio Lower Upper

43 100

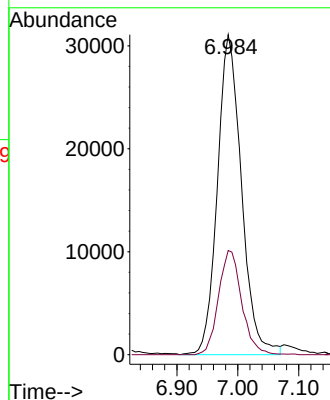
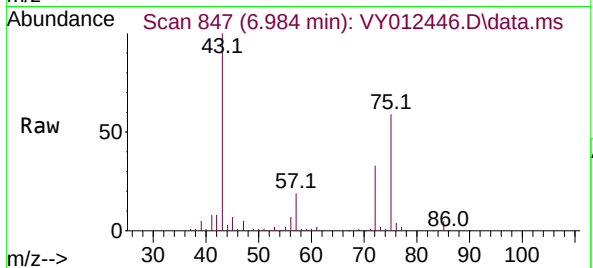
72 32.5 22.6 34.0

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/02/2023

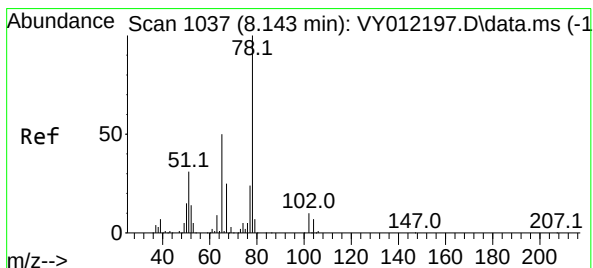
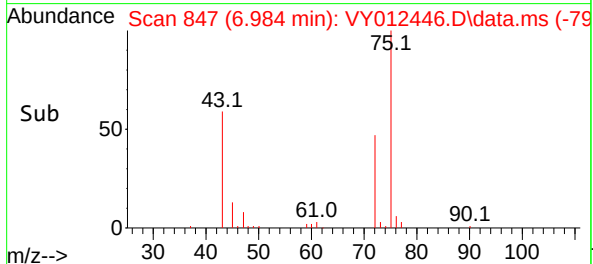
Supervised By :Mahesh Dadoda 02/02/2023



02/02/2023

Supervised By :Mahesh
Dadoda

02/02/2023



#33

1,2-Dichloroethane-d4

Concen: 53.755 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY012446.D

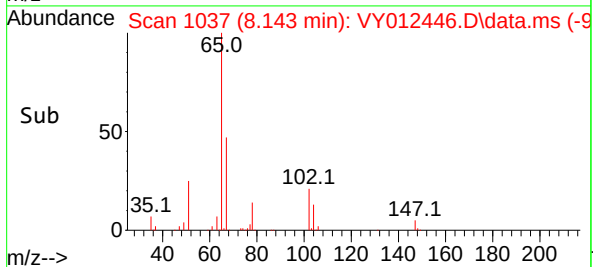
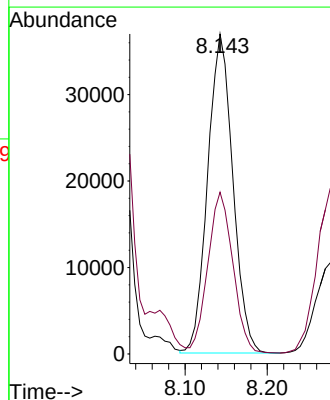
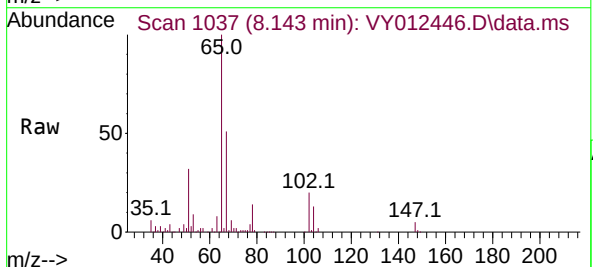
Acq: 01 Feb 2023 16:49

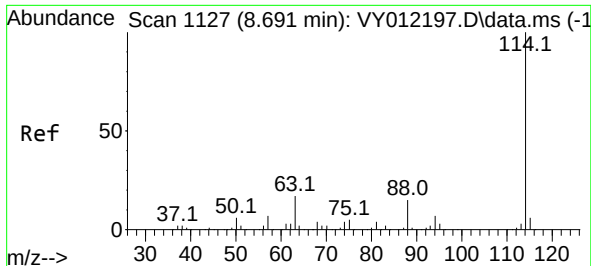
Tgt Ion: 65 Resp: 78583

Ion Ratio Lower Upper

65 100

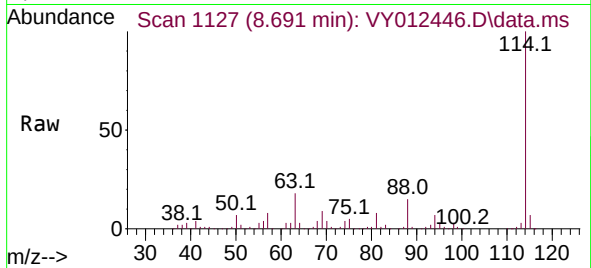
67 49.7 0.0 103.2





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

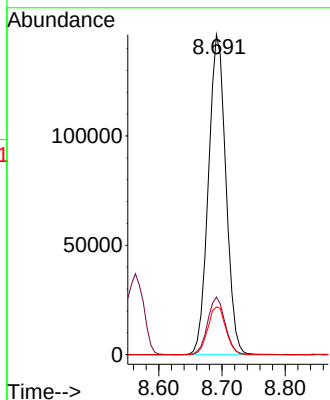
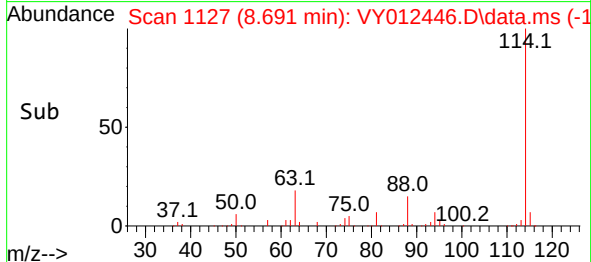
Instrument :
MSVOA_Y
ClientSampleId :
0042



Tgt Ion:114 Resp: 280244
Ion Ratio Lower Upper
114 100
63 18.0 0.0 39.6
88 14.9 0.0 32.2

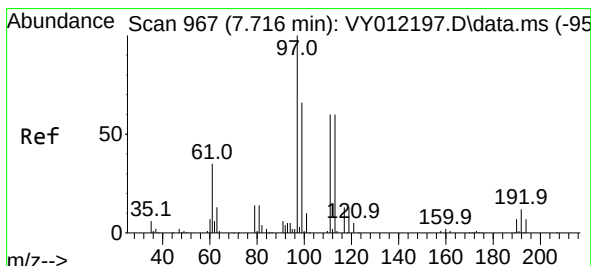
Manual Integrations
APPROVED

Reviewed By :Krupa Patel 02/02/2023
Supervised By :Mahesh Dadoda 02/02/2023

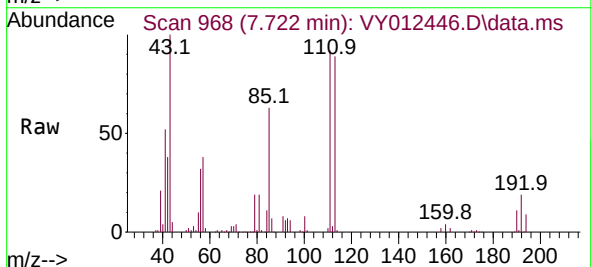


02/02/2023
Supervised By :Mahesh
Dadoda

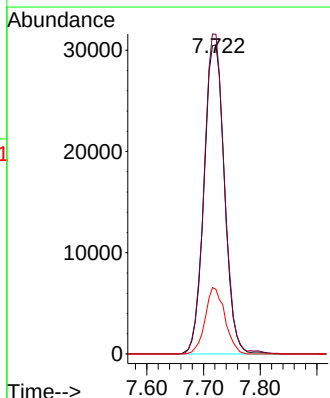
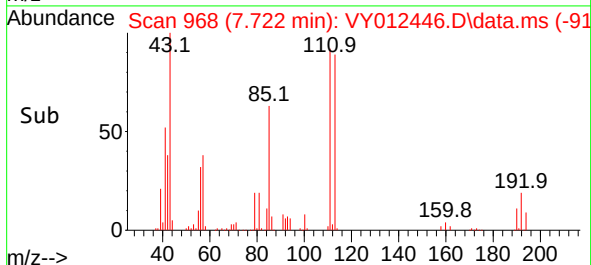
02/02/2023

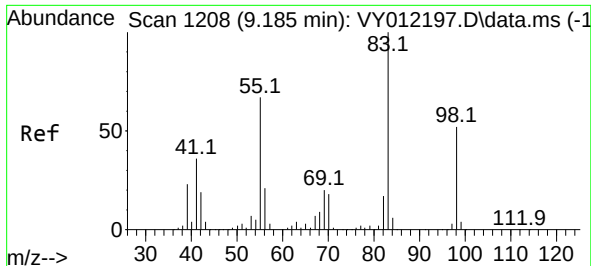


#35
Dibromofluoromethane
Concen: 51.641 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49



Tgt Ion:113 Resp: 76630
Ion Ratio Lower Upper
113 100
111 102.4 83.0 124.4
192 20.7 16.0 24.0





#39

Methylcyclohexane

Concen: 683.076 ug/l

RT: 9.185 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012446.D

Acq: 01 Feb 2023 16:49

Instrument :

MSVOA_Y

ClientSampleId :

0042

Tgt Ion: 83 Resp: 210516

Ion Ratio Lower Upper

83 100

55 73.5 58.2 87.2

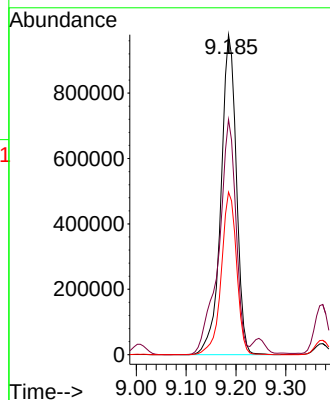
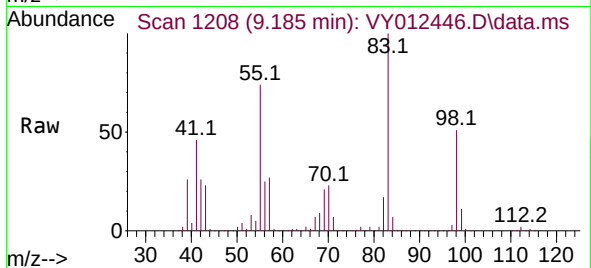
98 50.8 38.6 58.0

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/02/2023

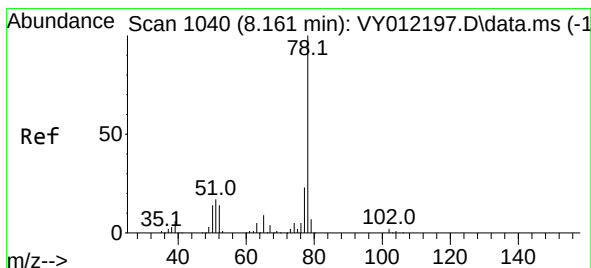
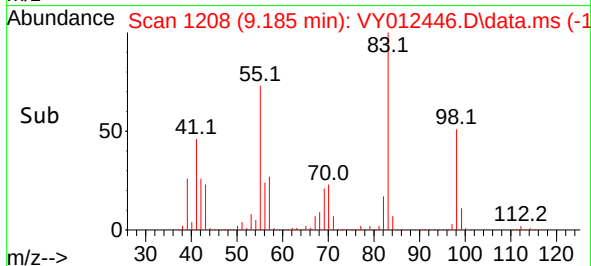
Supervised By :Mahesh Dadoda 02/02/2023



02/02/2023

Supervised By :Mahesh
Dadoda

02/02/2023



#40

Benzene

Concen: 4.289 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY012446.D

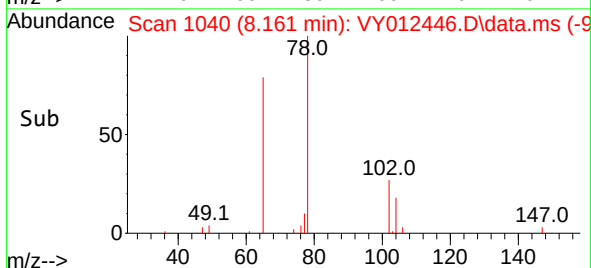
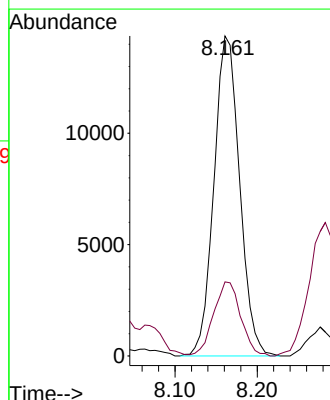
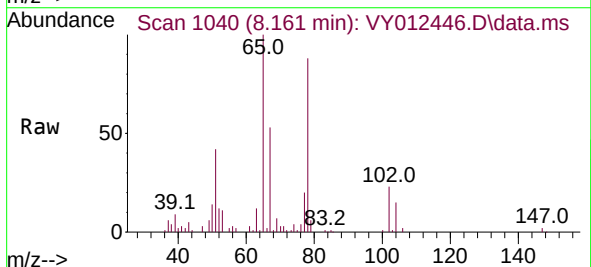
Acq: 01 Feb 2023 16:49

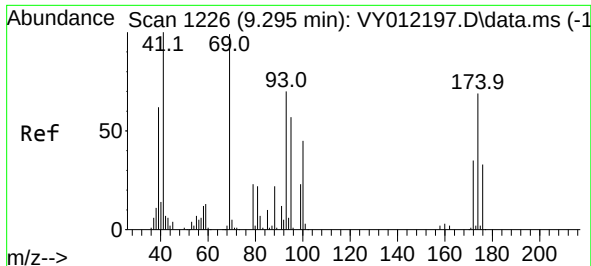
Tgt Ion: 78 Resp: 31221

Ion Ratio Lower Upper

78 100

77 22.5 18.6 27.8





#48

Methyl methacrylate

Concen: 119.062 ug/l

RT: 9.295 min Scan# 113470

Delta R.T. -0.000 min

Lab File: VY012446.D

Acq: 01 Feb 2023 16:49

Instrument :

MSVOA_Y

ClientSampleId :

0042

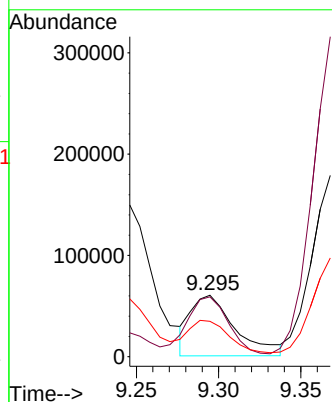
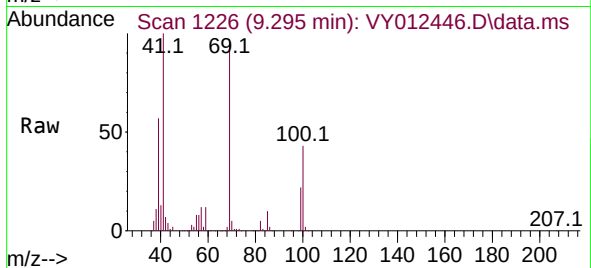
Tgt Ion:	41	Resp:	113470
Ion Ratio	Lower	Upper	
41	100		
69	95.3	74.2	111.2
39	60.7	46.3	69.5

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/02/2023

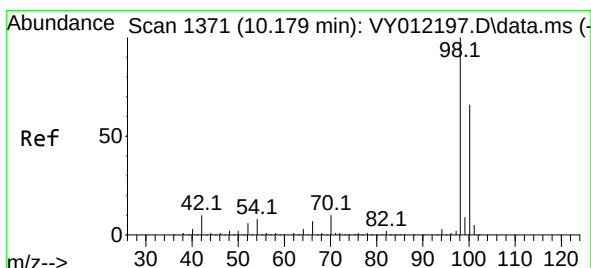
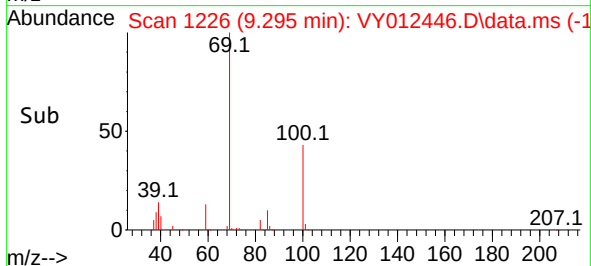
Supervised By :Mahesh Dadoda 02/02/2023



02/02/2023

Supervised By :Mahesh Dadoda

02/02/2023



#50

Toluene-d8

Concen: 73.519 ug/l

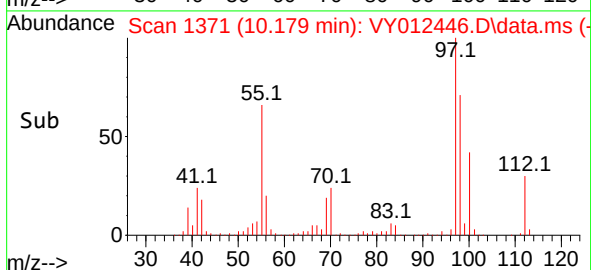
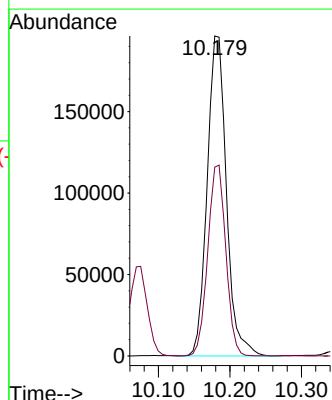
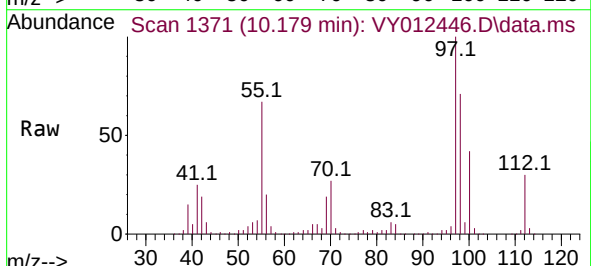
RT: 10.179 min Scan# 1371

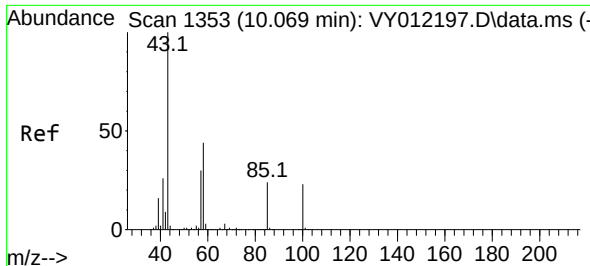
Delta R.T. -0.000 min

Lab File: VY012446.D

Acq: 01 Feb 2023 16:49

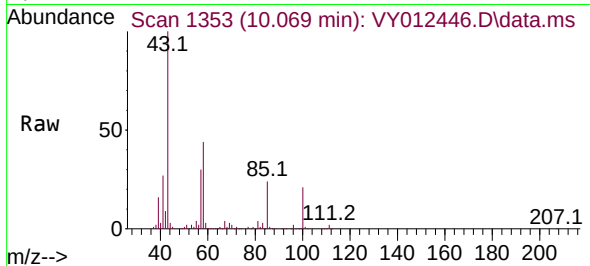
Tgt Ion:	98	Resp:	367518
Ion Ratio	Lower	Upper	
98	100		
100	55.9	51.9	77.9





#51
4-Methyl-2-Pentanone
Concen: 409.055 ug/l
RT: 10.069 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

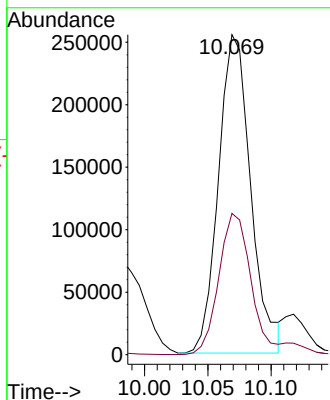
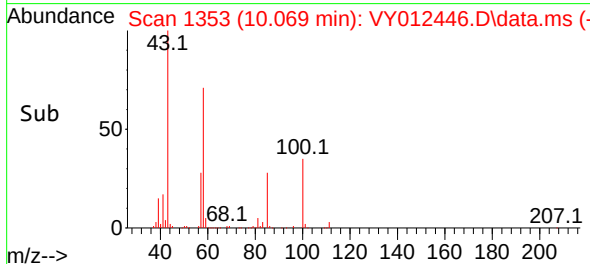
Instrument :
MSVOA_Y
ClientSampleId :
0042



Tgt Ion: 43 Resp: 45116
Ion Ratio Lower Upper
43 100
58 46.8 32.9 49.3

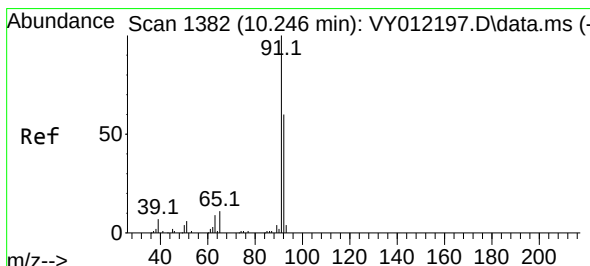
Manual Integrations
APPROVED

Reviewed By :Krupa Patel 02/02/2023
Supervised By :Mahesh Dadoda 02/02/2023



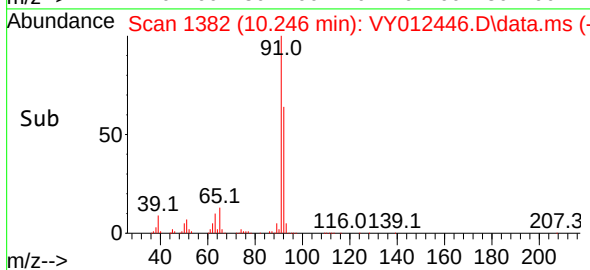
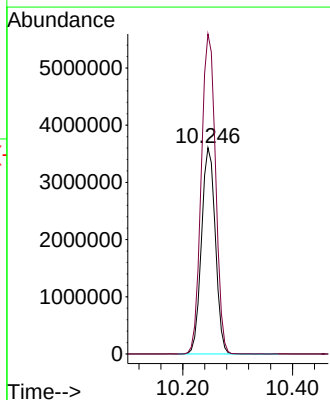
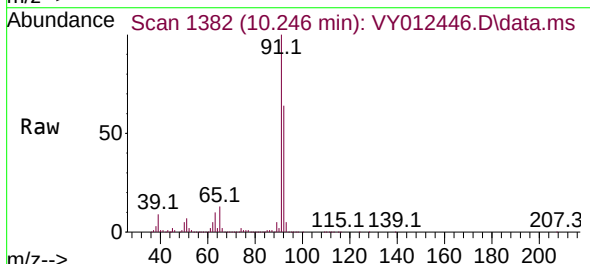
02/02/2023
Supervised By :Mahesh
Dadoda

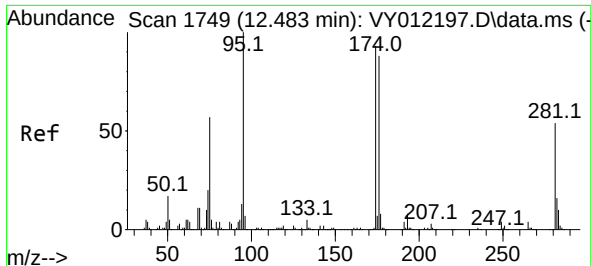
02/02/2023



#52
Toluene
Concen: 1300.942 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

Tgt Ion: 92 Resp: 6304913
Ion Ratio Lower Upper
92 100
91 160.3 137.4 206.0





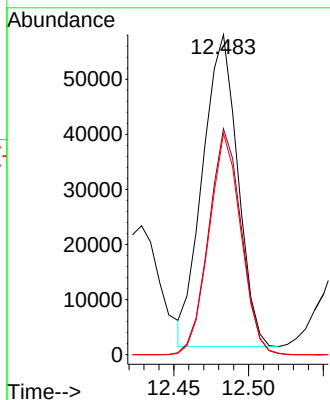
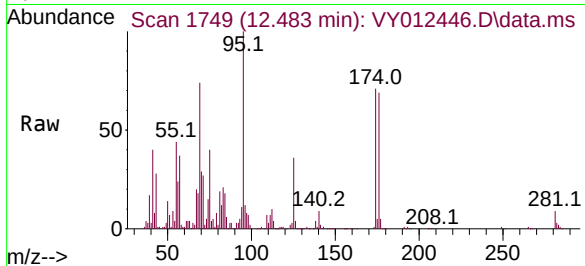
#62
4-Bromofluorobenzene
Concen: 44.099 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

Instrument :
MSVOA_Y
ClientSampleId :
0042

Tgt Ion: 95 Resp: 9224
Ion Ratio Lower Upper
95 100
174 67.5 0.0 172.0
176 64.9 0.0 167.6

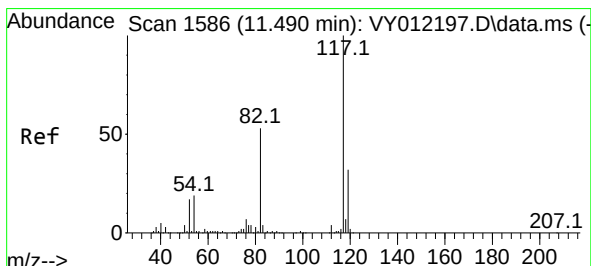
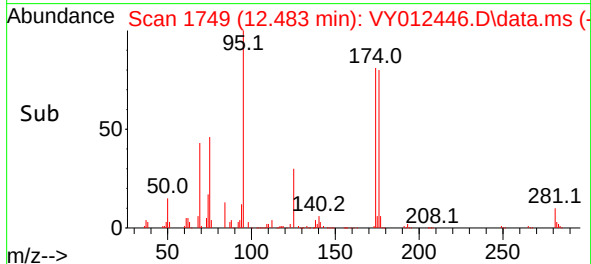
Manual Integrations
APPROVED

Reviewed By :Krupa Patel 02/02/2023
Supervised By :Mahesh Dadoda 02/02/2023



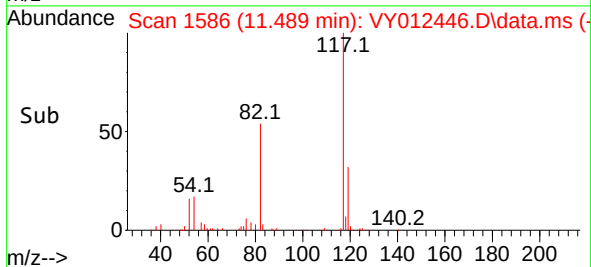
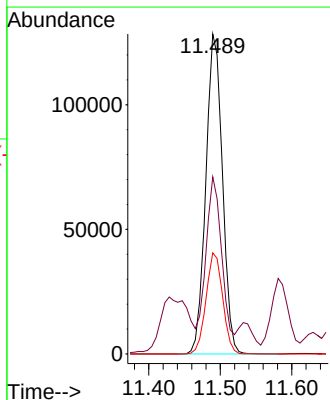
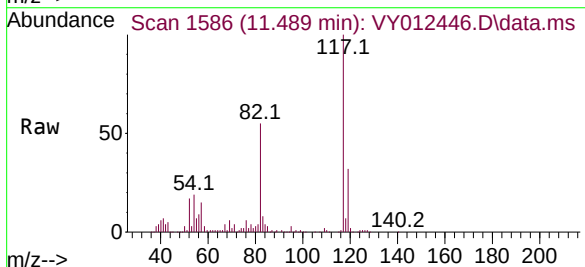
02/02/2023
Supervised By :Mahesh
Dadoda

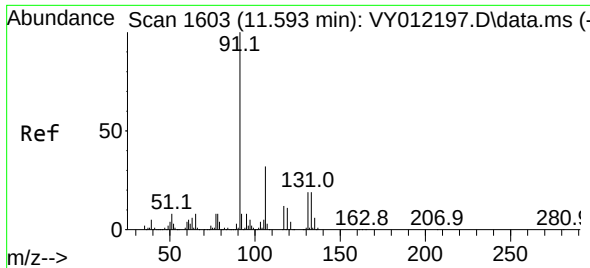
02/02/2023



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

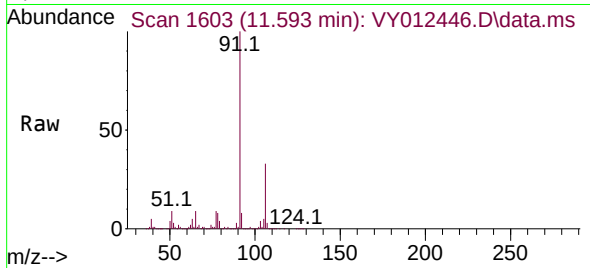
Tgt Ion:117 Resp: 207018
Ion Ratio Lower Upper
117 100
82 39.2 44.8 67.2#
119 31.6 25.4 38.2





#67
Ethyl Benzene
Concen: 460.631 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

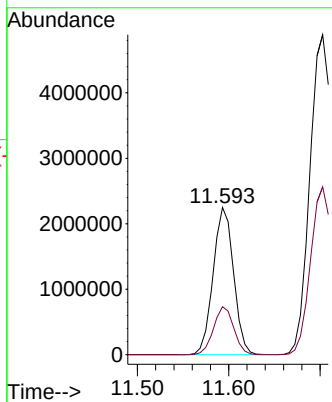
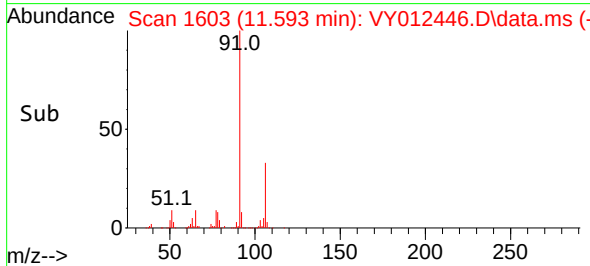
Instrument :
MSVOA_Y
ClientSampleId :
0042



Tgt Ion: 91 Resp: 3486980
Ion Ratio Lower Upper
91 100
106 32.6 25.0 37.4

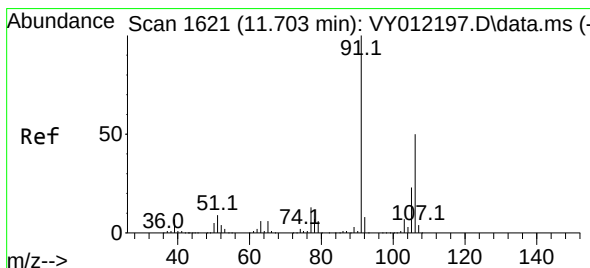
Manual Integrations
APPROVED

Reviewed By :Krupa Patel 02/02/2023
Supervised By :Mahesh Dadoda 02/02/2023

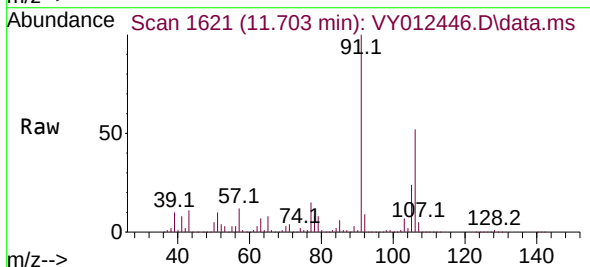


02/02/2023
Supervised By :Mahesh
Dadoda

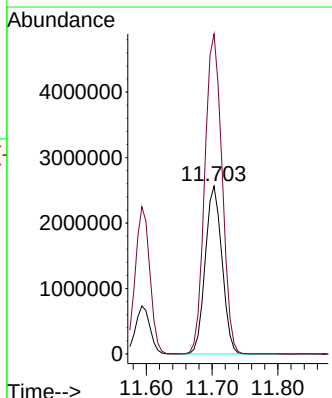
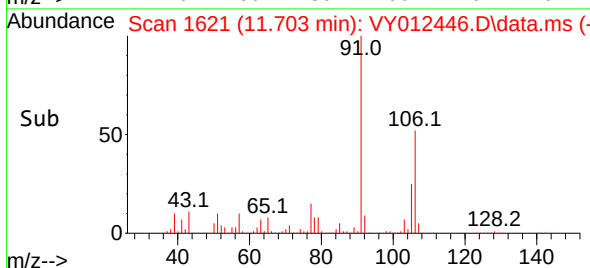
02/02/2023

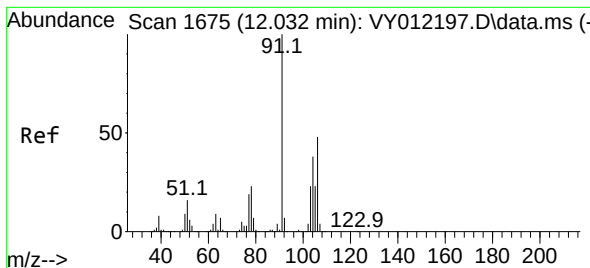


#68
m/p-Xylenes
Concen: 1514.007 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49



Tgt Ion:106 Resp: 4531527
Ion Ratio Lower Upper
106 100
91 196.8 162.5 243.7





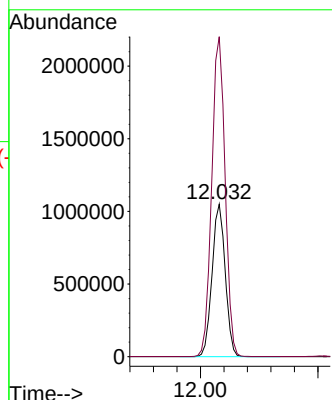
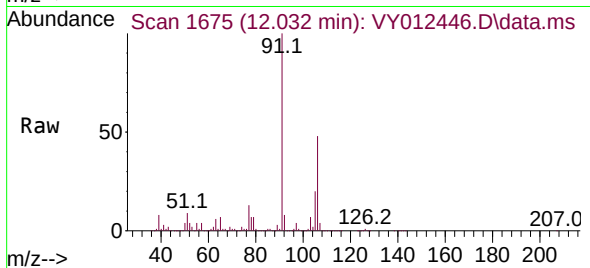
#69
o-Xylene
Concen: 571.377 ug/l
RT: 12.032 min Scan# 106
Delta R.T. 0.006 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

Instrument :
MSVOA_Y
ClientSampleId :
0042

Tgt Ion:106 Resp: 163347
Ion Ratio Lower Upper
106 100
91 213.4 107.5 322.4

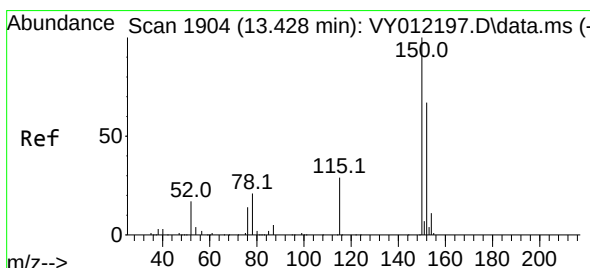
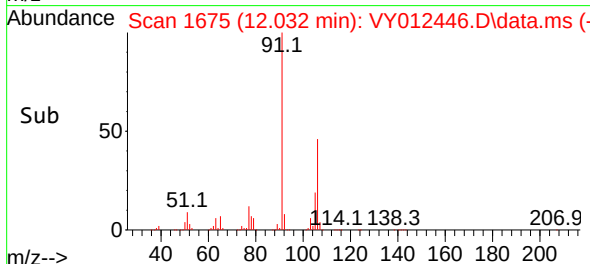
Manual Integrations
APPROVED

Reviewed By :Krupa Patel 02/02/2023
Supervised By :Mahesh Dadoda 02/02/2023



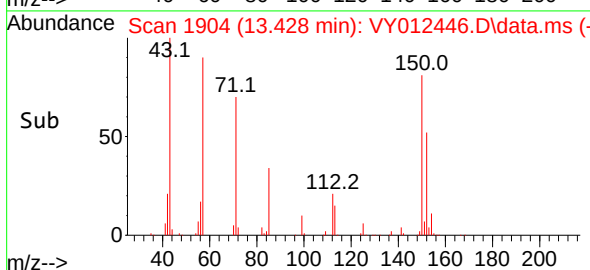
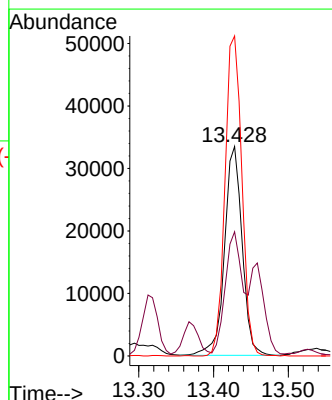
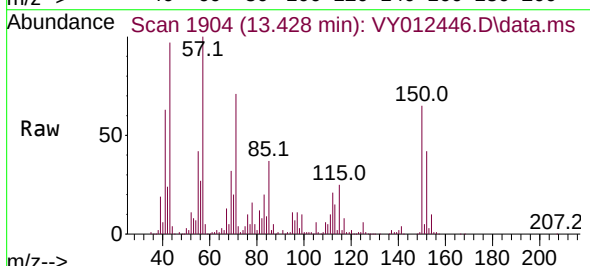
02/02/2023
Supervised By :Mahesh
Dadoda

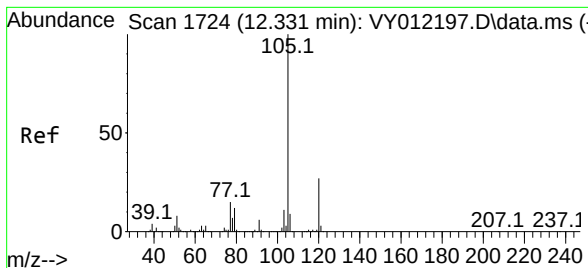
02/02/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

Tgt Ion:152 Resp: 54779
Ion Ratio Lower Upper
152 100
115 59.6 29.1 87.3
150 146.3 0.0 342.6





#73

Isopropylbenzene

Concen: 137.851 ug/l

RT: 12.331 min Scan# 1724

Delta R.T. -0.000 min

Lab File: VY012446.D

Acq: 01 Feb 2023 16:49

Instrument :

MSVOA_Y

ClientSampleId :

0042

Tgt Ion:105 Resp: 54452

Ion Ratio Lower Upper

105 100

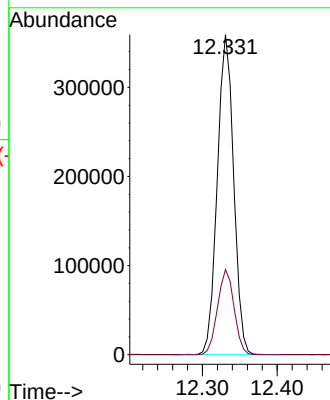
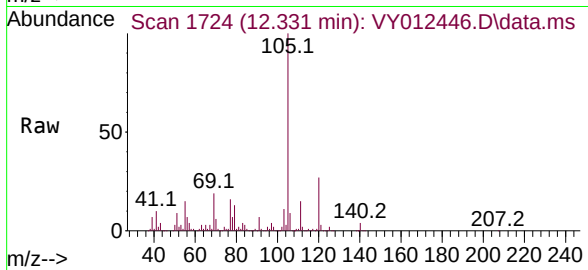
120 26.8 13.2 39.6

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/02/2023

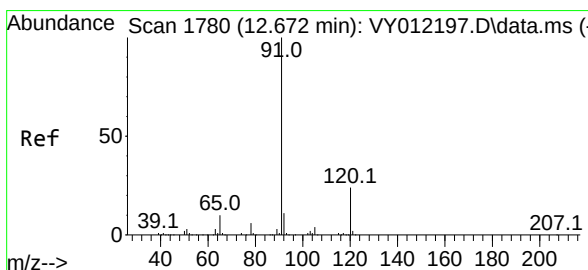
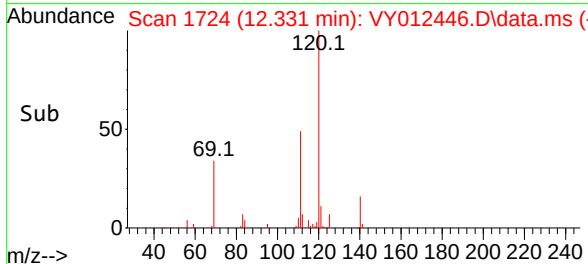
Supervised By :Mahesh Dadoda 02/02/2023



02/02/2023

Supervised By :Mahesh
Dadoda

02/02/2023



#78

n-propylbenzene

Concen: 218.946 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY012446.D

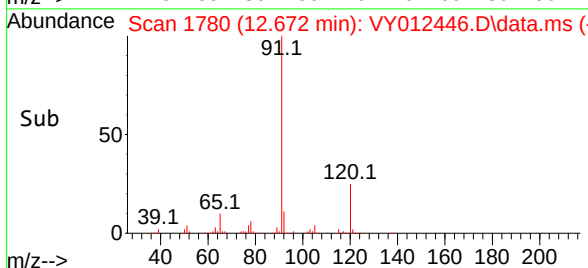
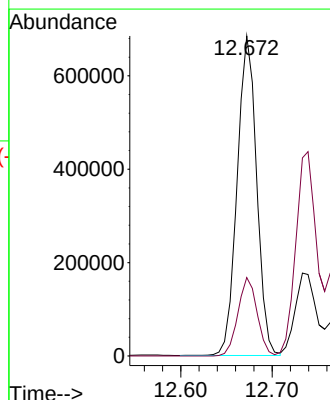
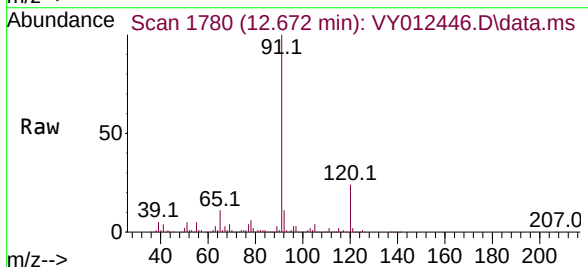
Acq: 01 Feb 2023 16:49

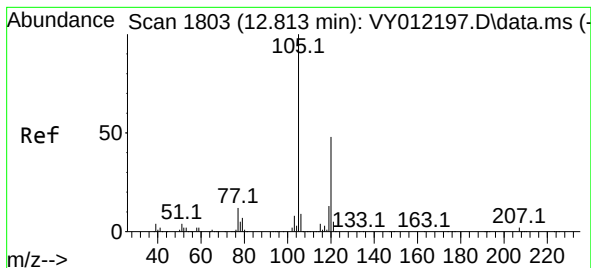
Tgt Ion: 91 Resp: 1012030

Ion Ratio Lower Upper

91 100

120 24.1 11.8 35.4





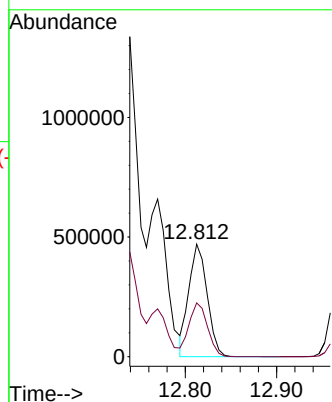
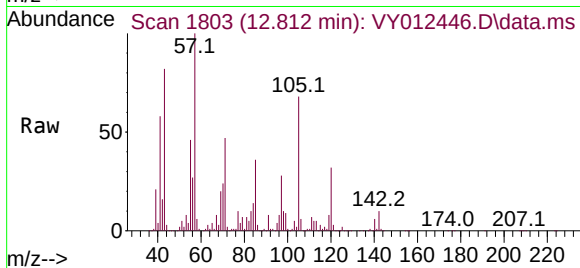
#80
1,3,5-Trimethylbenzene
Concen: 190.660 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.001 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

Instrument :
MSVOA_Y
ClientSampleId :
0042

Tgt Ion:105 Resp: 65469
Ion Ratio Lower Upper
105 100
120 48.4 24.2 72.6

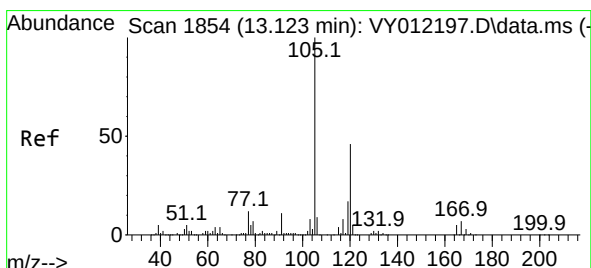
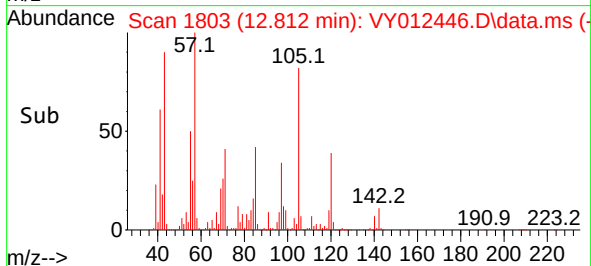
Manual Integrations
APPROVED

Reviewed By :Krupa Patel 02/02/2023
Supervised By :Mahesh Dadoda 02/02/2023



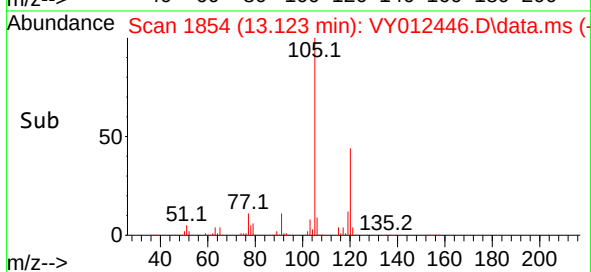
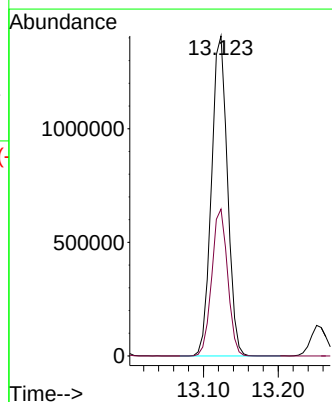
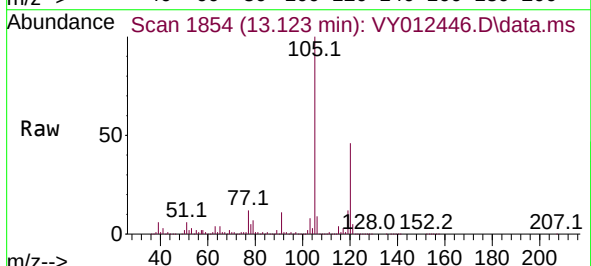
02/02/2023
Supervised By :Mahesh
Dadoda

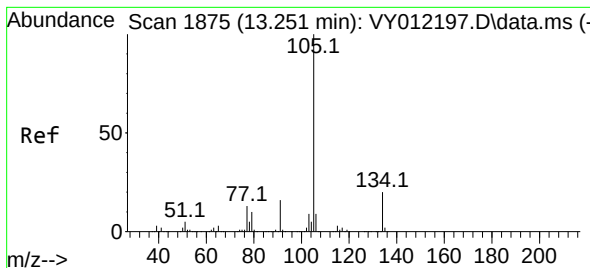
02/02/2023



#84
1,2,4-Trimethylbenzene
Concen: 618.531 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

Tgt Ion:105 Resp: 2094598
Ion Ratio Lower Upper
105 100
120 45.6 22.9 68.7





#85

sec-Butylbenzene

Concen: 46.916 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY012446.D

Acq: 01 Feb 2023 16:49

Instrument :

MSVOA_Y

ClientSampleId :

0042

Tgt Ion:105 Resp: 199914

Ion Ratio Lower Upper

105 100

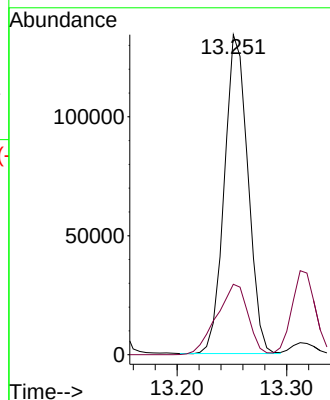
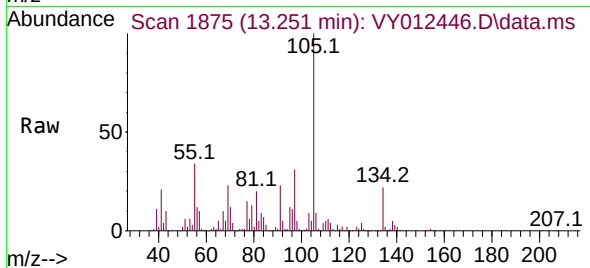
134 29.6 10.1 30.3

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/02/2023

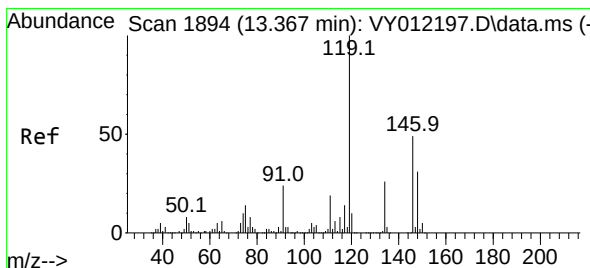
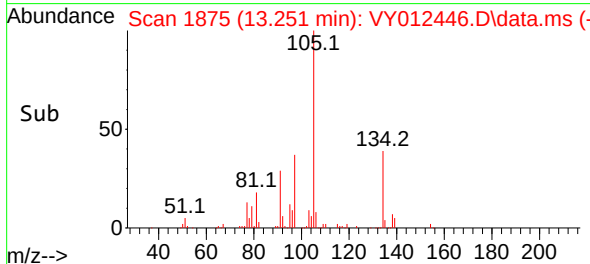
Supervised By :Mahesh Dadoda 02/02/2023



02/02/2023

Supervised By :Mahesh
Dadoda

02/02/2023



#86

p-Isopropyltoluene

Concen: 27.432 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY012446.D

Acq: 01 Feb 2023 16:49

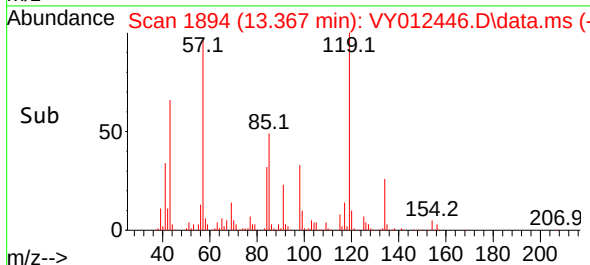
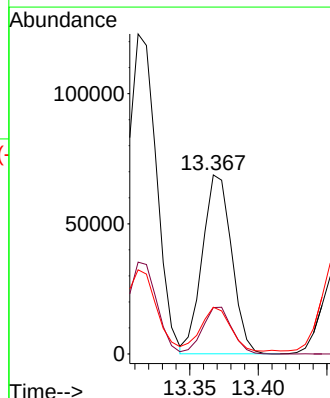
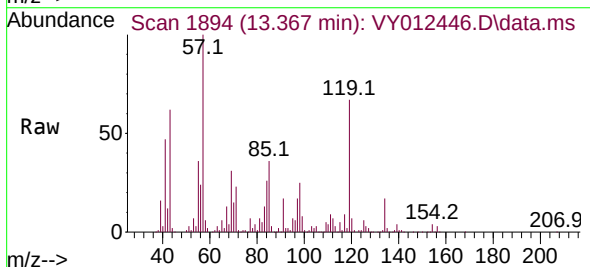
Tgt Ion:119 Resp: 102127

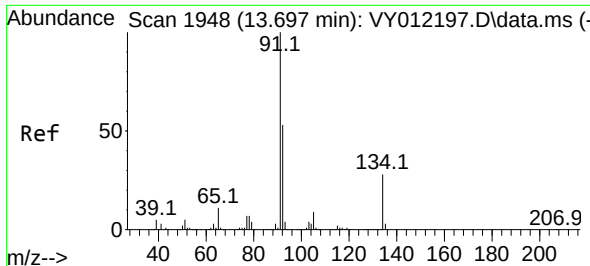
Ion Ratio Lower Upper

119 100

134 26.1 13.0 39.0

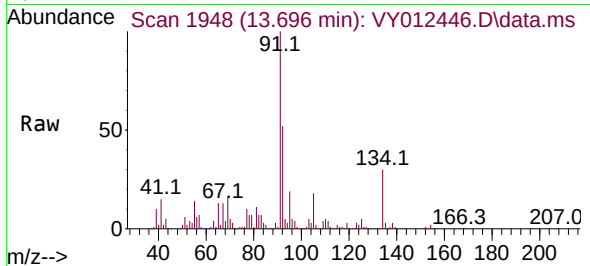
91 24.5 11.9 35.9





#89
n-Butylbenzene
Concen: 56.540 ug/l m
RT: 13.696 min Scan# 1948
Delta R.T. -0.001 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

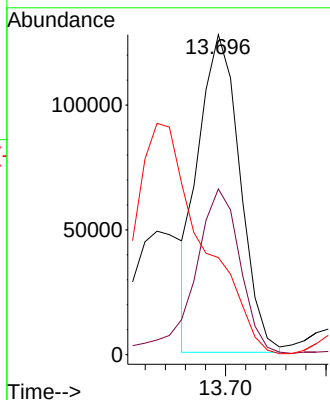
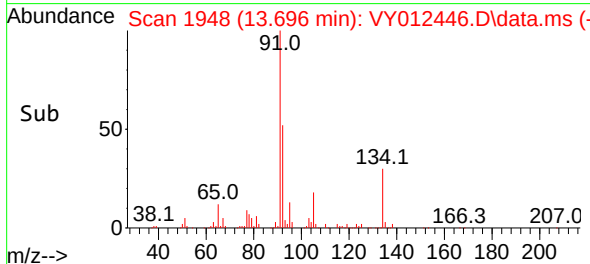
Instrument :
MSVOA_Y
ClientSampleId :
0042



Tgt Ion: 91 Resp: 182410
Ion Ratio Lower Upper
91 100
92 57.1 26.8 80.4
134 0.0 13.3 39.8

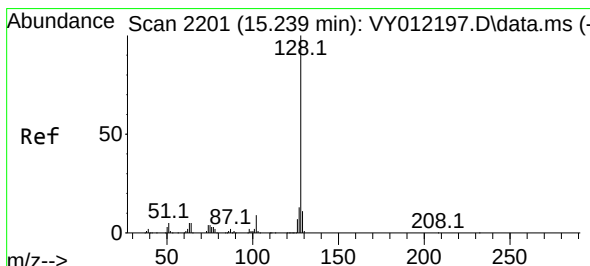
Manual Integrations
APPROVED

Reviewed By :Krupa Patel 02/02/2023
Supervised By :Mahesh Dadoda 02/02/2023



02/02/2023
Supervised By :Mahesh
Dadoda

02/02/2023



#95
Naphthalene
Concen: 38.037 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY012446.D
Acq: 01 Feb 2023 16:49

Tgt Ion:128 Resp: 81143
Ion Ratio Lower Upper
128 100
127 14.2 10.2 15.2
129 12.2 8.8 13.2

