

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012224\
 Data File : VY017080.D
 Acq On : 22 Jan 2024 17:39
 Operator : SY/MD
 Sample : P1218-04
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 133

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/23/2024
 Supervised By :Semsettin Yesilyurt 01/23/2024

Quant Time: Jan 23 01:48:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.813	168	157278	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.716	114	206117	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.508	117	145740	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.447	152	26801	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	36509	23.486	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	46.980%#		
35) Dibromofluoromethane	7.740	113	44671	34.010	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	68.020%		
50) Toluene-d8	10.197	98	169612	37.501	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	75.000%		
62) 4-Bromofluorobenzene	12.502	95	35286	23.124	ug/l	0.01
Spiked Amount 50.000	Range 30 - 143		Recovery =	46.240%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.979	59	62405	598.078	ug/l #	94
16) Acetone	3.966	43	13000389	37533.034	ug/l	89
19) Methyl tert-butyl Ether	5.247	73	27749	7.120	ug/l #	71
25) 2-Butanone	7.009	43	77747	142.387	ug/l	96
31) Cyclohexane	7.795	56	5285556	1981.109	ug/l #	46
39) Methylcyclohexane	9.209	83	1980026	920.134	ug/l	98
40) Benzene	8.185	78	17840	3.107	ug/l	99
51) 4-Methyl-2-Pentanone	10.087	43	29725	33.553	ug/l	100
52) Toluene	10.264	92	257163	74.209	ug/l	99
67) Ethyl Benzene	11.611	91	197664	36.163	ug/l	99
68) m/p-Xylenes	11.715	106	263996	131.582	ug/l	99
69) o-Xylene	12.044	106	150670	80.106	ug/l	99
73) Isopropylbenzene	12.349	105	50142	22.911	ug/l	99
78) n-propylbenzene	12.691	91	135086	50.771	ug/l	98
80) 1,3,5-Trimethylbenzene	12.831	105	105836	61.145	ug/l	93
84) 1,2,4-Trimethylbenzene	13.136	105	379386	222.565	ug/l	98
85) sec-Butylbenzene	13.270	105	33927	15.019	ug/l	80
86) p-Isopropyltoluene	13.386	119	25472	13.663	ug/l	99
89) n-Butylbenzene	13.715	91	26685m	14.887	ug/l	
95) Naphthalene	15.257	128	10096	15.195	ug/l	96

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

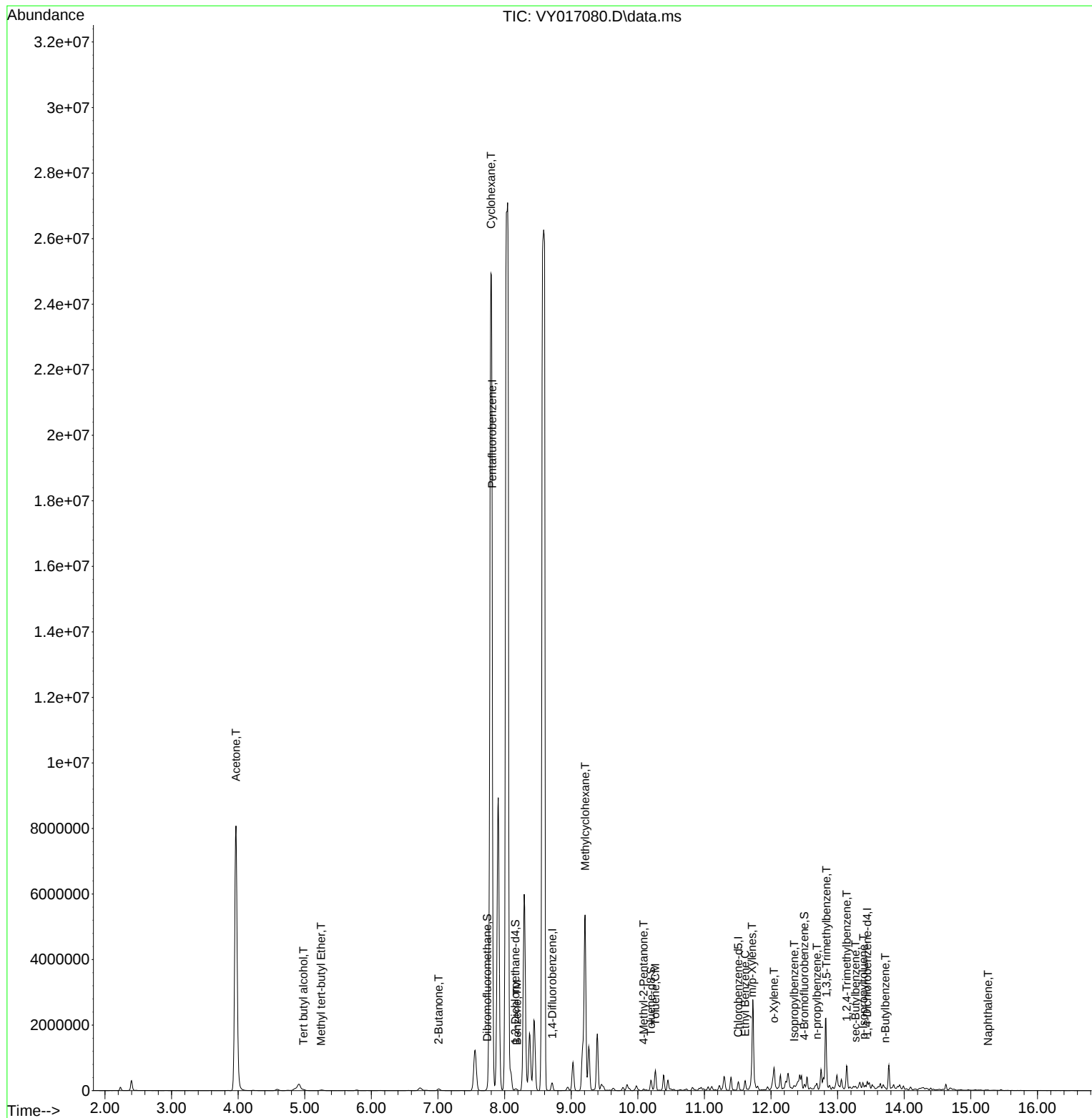
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012224\
Data File : VY017080.D
Acq On : 22 Jan 2024 17:39
Operator : SY/MD
Sample : P1218-04
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

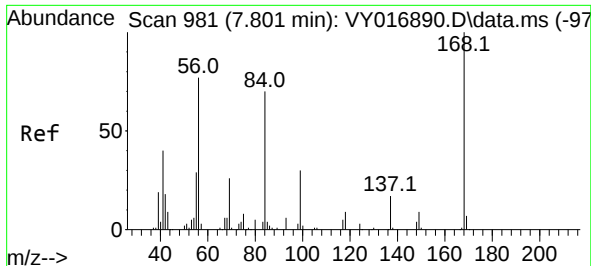
Instrument :
MSVOA_Y
ClientSampleId :
133

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/23/2024
Supervised By :Semsettin Yesilyurt 01/23/2024

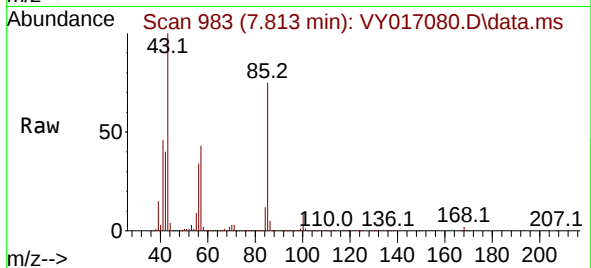
Quant Time: Jan 23 01:48:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 02 14:25:32 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 913
Delta R.T. 0.012 min
Lab File: VY017080.D
Acq: 22 Jan 2024 17:39

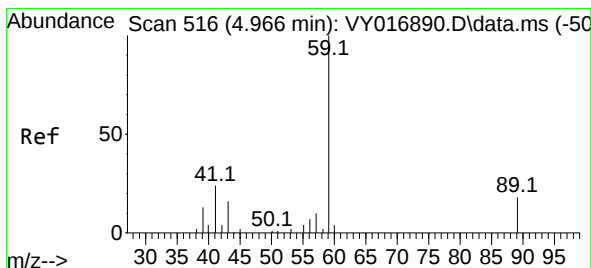
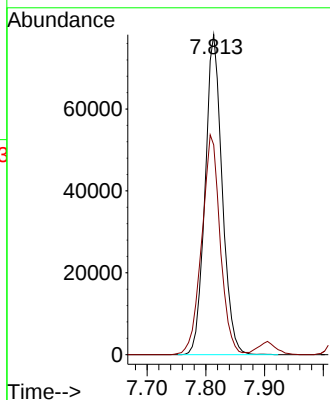
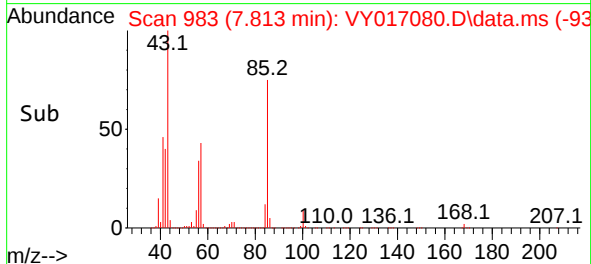
Instrument :
MSVOA_Y
ClientSampleId :
133



Tgt Ion:168 Resp: 157278
Ion Ratio Lower Upper
168 100
99 65.2 44.2 66.4

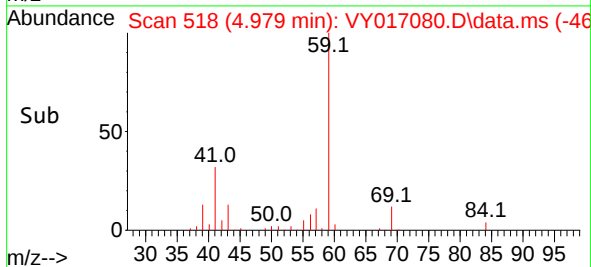
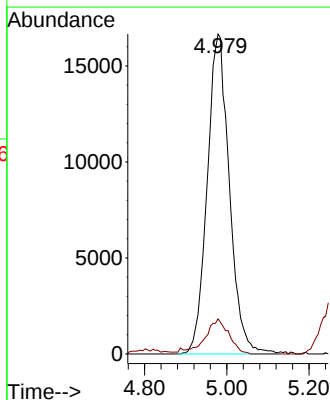
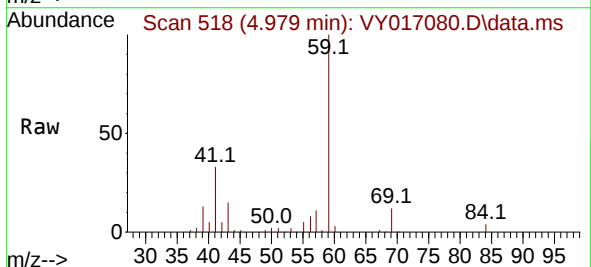
Manual Integrations
APPROVED

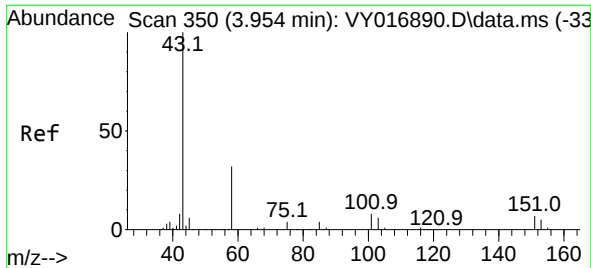
Reviewed By :Mahesh Dadoda 01/23/2024
Supervised By :Semsettin Yesilyurt 01/23/2024



#11
Tert butyl alcohol
Concen: 598.078 ug/l
RT: 4.979 min Scan# 518
Delta R.T. 0.013 min
Lab File: VY017080.D
Acq: 22 Jan 2024 17:39

Tgt Ion: 59 Resp: 62405
Ion Ratio Lower Upper
59 100
57 11.4 7.4 11.0#





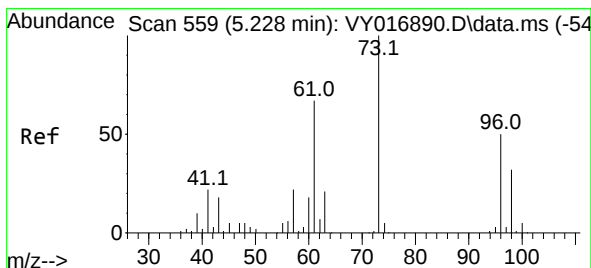
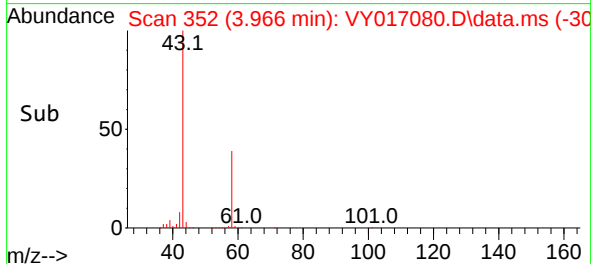
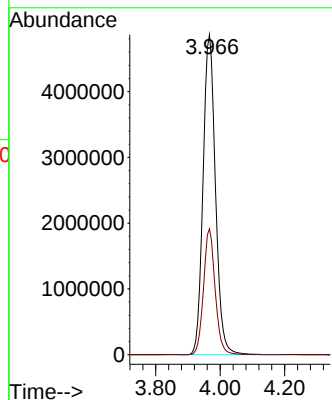
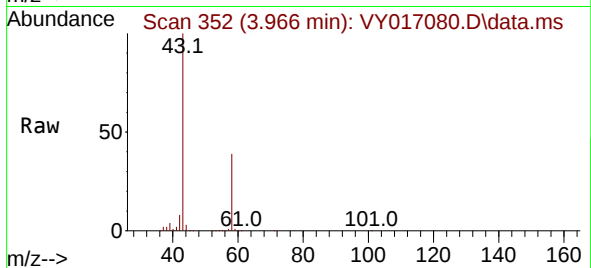
#16
Acetone
Concen: 37533.034 ug/l
RT: 3.966 min Scan# 3133
Delta R.T. 0.006 min
Lab File: VY017080.D
Acq: 22 Jan 2024 17:39

Instrument :
MSVOA_Y
ClientSampleId :
133

Tgt Ion: 43 Resp:13000389
Ion Ratio Lower Upper
43 100
58 39.3 26.6 39.8

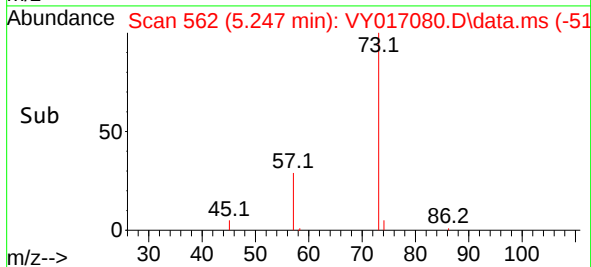
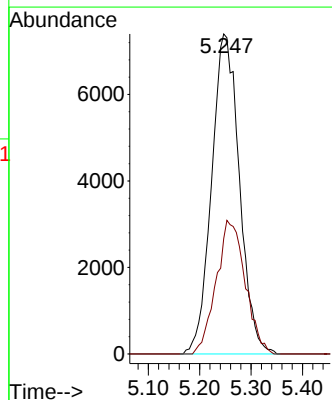
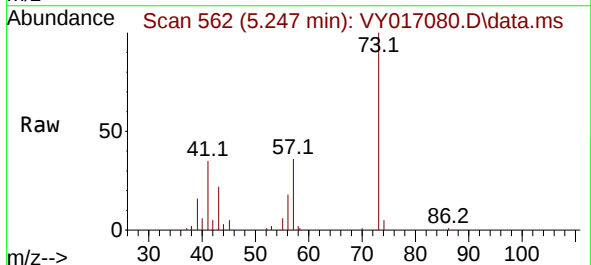
Manual Integrations
APPROVED

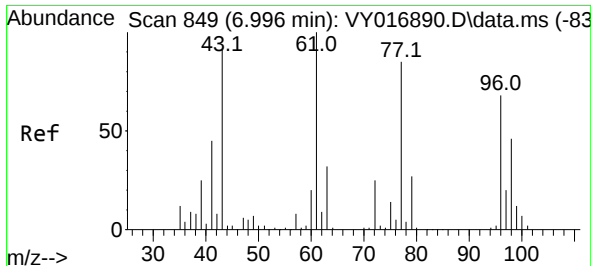
Reviewed By :Mahesh Dadoda 01/23/2024
Supervised By :Semsettin Yesilyurt 01/23/2024



#19
Methyl tert-butyl Ether
Concen: 7.120 ug/l
RT: 5.247 min Scan# 562
Delta R.T. 0.013 min
Lab File: VY017080.D
Acq: 22 Jan 2024 17:39

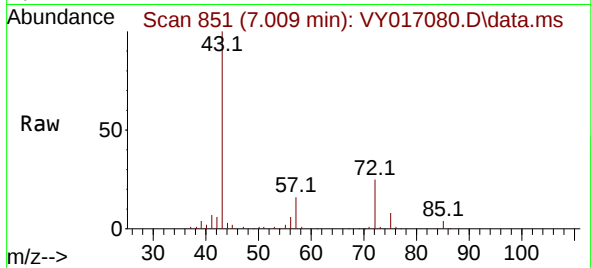
Tgt Ion: 73 Resp: 27749
Ion Ratio Lower Upper
73 100
57 36.1 17.7 26.5#





#25
2-Butanone
Concen: 142.387 ug/l
RT: 7.009 min Scan# 81
Delta R.T. 0.013 min
Lab File: VY017080.D
Acq: 22 Jan 2024 17:39

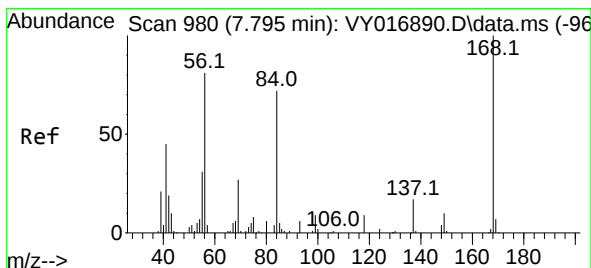
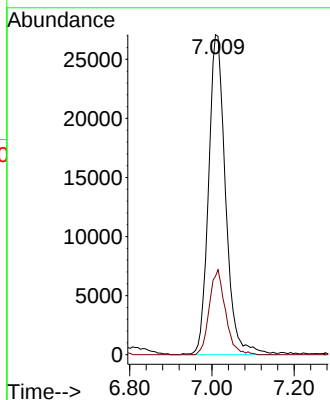
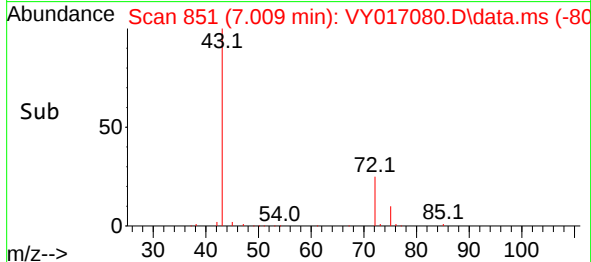
Instrument :
MSVOA_Y
ClientSampleId :
133



Tgt Ion: 43 Resp: 7774
Ion Ratio Lower Upper
43 100
72 24.5 21.4 32.2

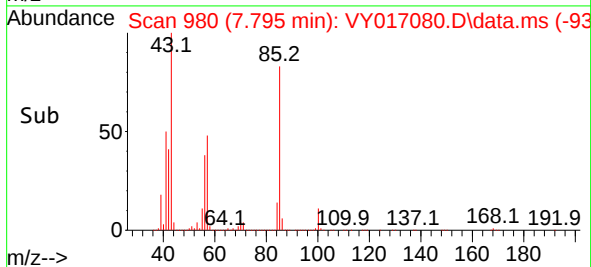
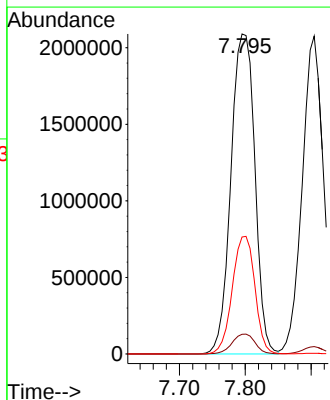
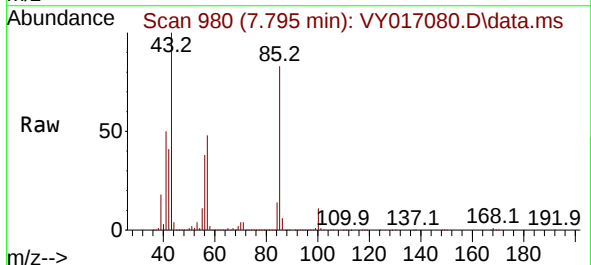
Manual Integrations
APPROVED

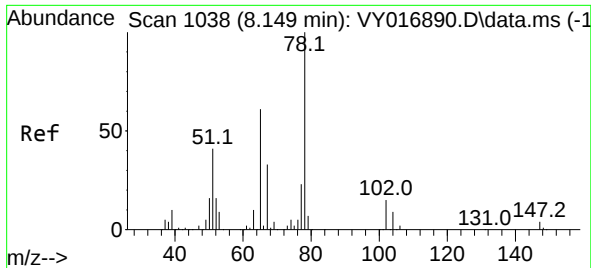
Reviewed By :Mahesh Dadoda 01/23/2024
Supervised By :Semsettin Yesilyurt 01/23/2024



#31
Cyclohexane
Concen: 1981.109 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY017080.D
Acq: 22 Jan 2024 17:39

Tgt Ion: 56 Resp: 5285556
Ion Ratio Lower Upper
56 100
69 6.1 27.0 40.6#
84 36.6 71.8 107.6#





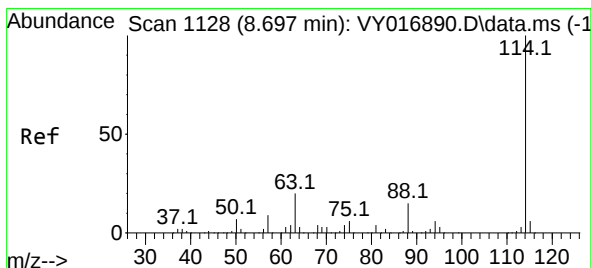
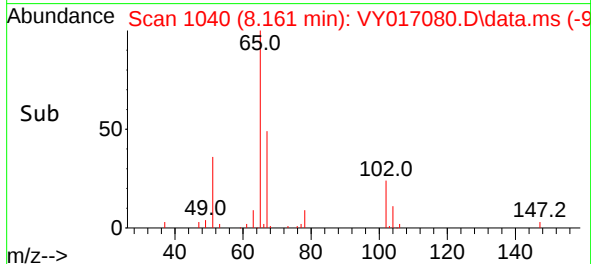
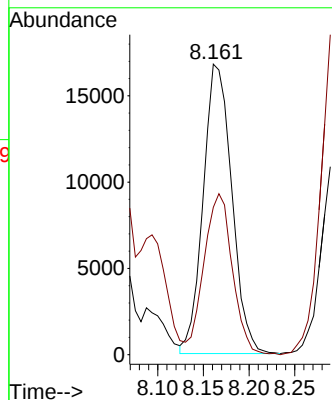
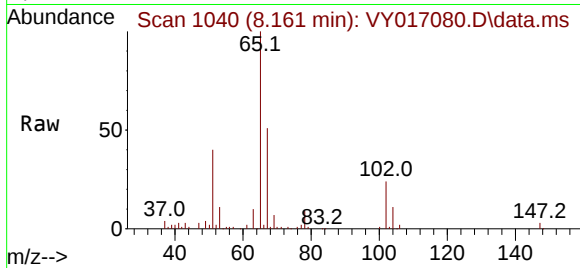
#33
1,2-Dichloroethane-d4
Concen: 23.486 ug/l
RT: 8.161 min Scan# 1133
Delta R.T. 0.006 min
Lab File: VY017080.D
Acq: 22 Jan 2024 17:39

Instrument :
MSVOA_Y
ClientSampleId :
133

Tgt Ion: 65 Resp: 36509
Ion Ratio Lower Upper
65 100
67 55.1 0.0 109.0

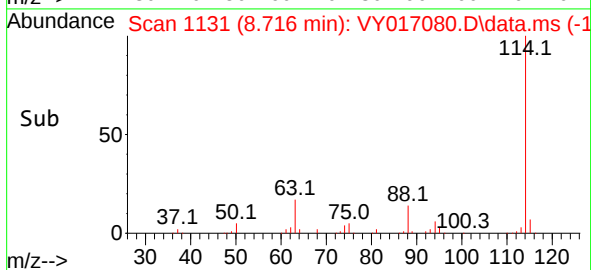
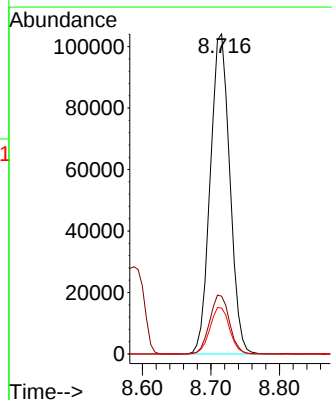
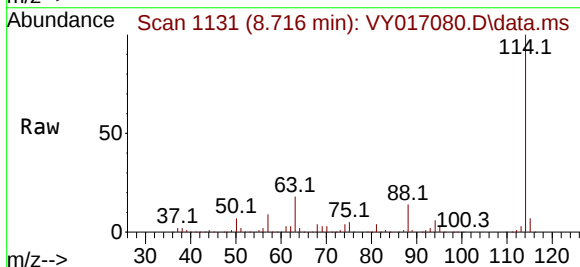
Manual Integrations
APPROVED

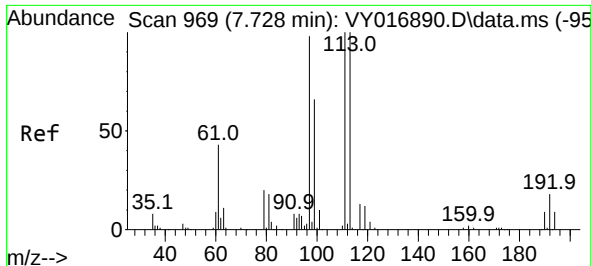
Reviewed By :Mahesh Dadoda 01/23/2024
Supervised By :Semsettin Yesilyurt 01/23/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.716 min Scan# 1131
Delta R.T. 0.013 min
Lab File: VY017080.D
Acq: 22 Jan 2024 17:39

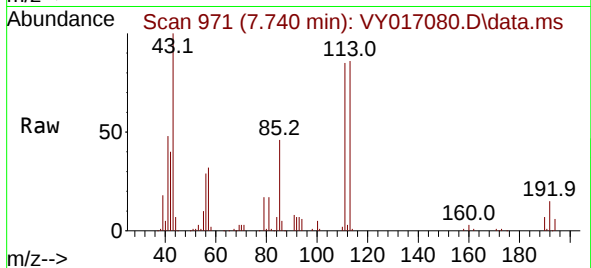
Tgt Ion:114 Resp: 206117
Ion Ratio Lower Upper
114 100
63 18.1 0.0 37.4
88 14.3 0.0 29.0





#35
Dibromofluoromethane
Concen: 34.010 ug/l
RT: 7.740 min Scan# 9133
Delta R.T. 0.012 min
Lab File: VY017080.D
Acq: 22 Jan 2024 17:39

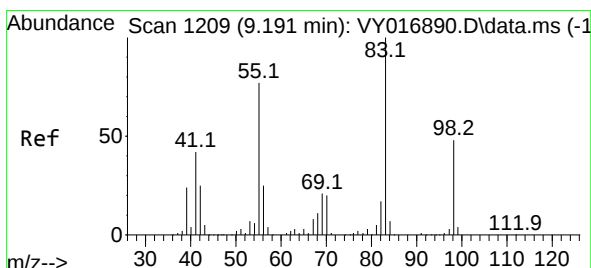
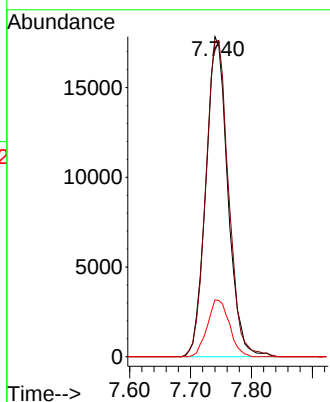
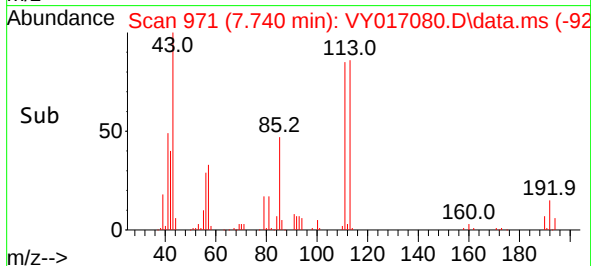
Instrument :
MSVOA_Y
ClientSampleId :
133



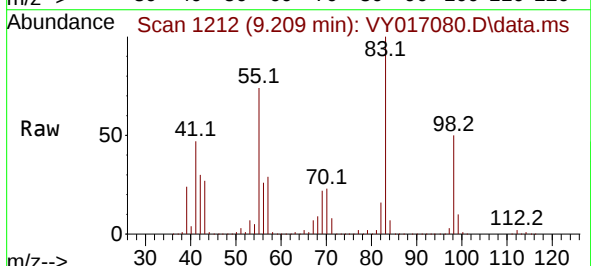
Tgt Ion: 113 Resp: 4467
Ion Ratio Lower Upper
113 100
111 102.5 83.8 125.6
192 17.8 14.5 21.7

Manual Integrations
APPROVED

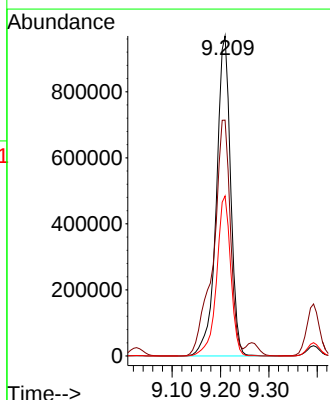
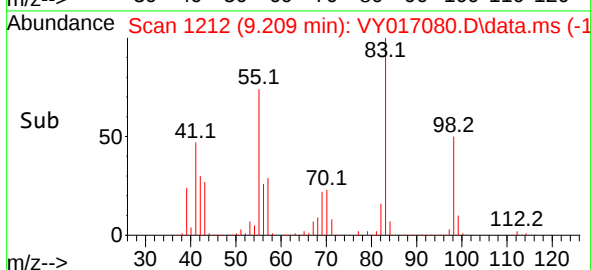
Reviewed By :Mahesh Dadoda 01/23/2024
Supervised By :Semsettin Yesilyurt 01/23/2024

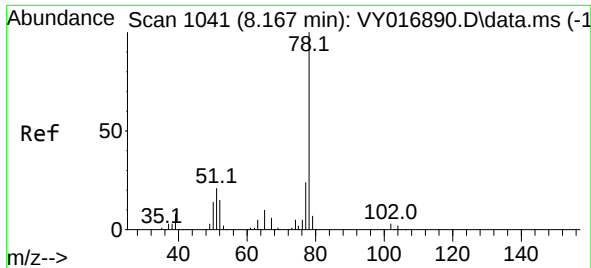


#39
Methylcyclohexane
Concen: 920.134 ug/l
RT: 9.209 min Scan# 1212
Delta R.T. 0.018 min
Lab File: VY017080.D
Acq: 22 Jan 2024 17:39



Tgt Ion: 83 Resp: 1980026
Ion Ratio Lower Upper
83 100
55 73.7 59.7 89.5
98 50.0 38.0 57.0





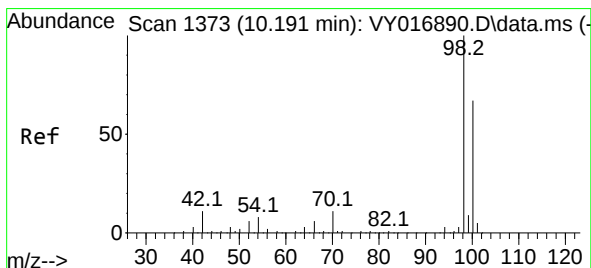
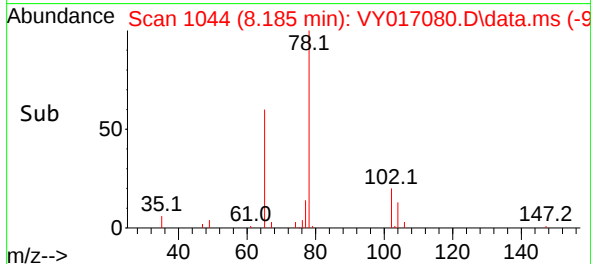
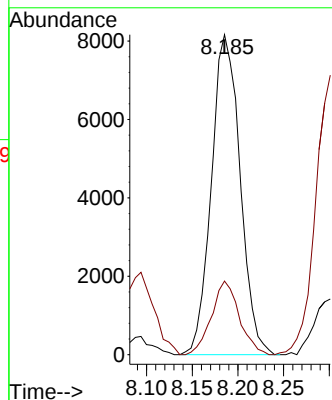
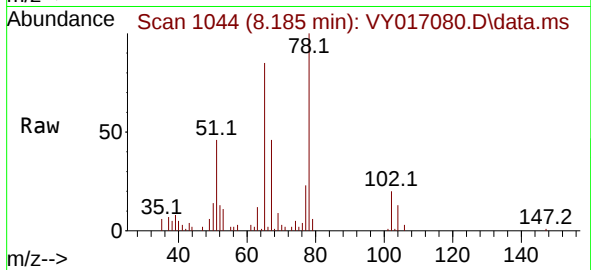
#40
Benzene
Concen: 3.107 ug/l
RT: 8.185 min Scan# 1044
Delta R.T. 0.012 min
Lab File: VY017080.D
Acq: 22 Jan 2024 17:39

Instrument :
MSVOA_Y
ClientSampleId :
133

Tgt Ion: 78 Resp: 17840
Ion Ratio Lower Upper
78 100
77 23.0 18.8 28.2

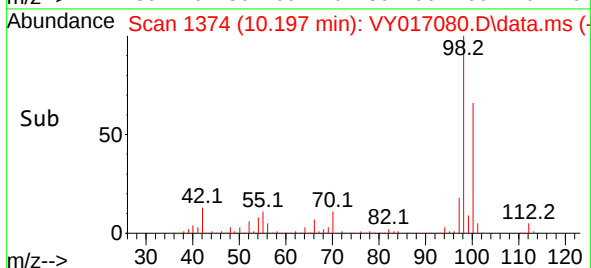
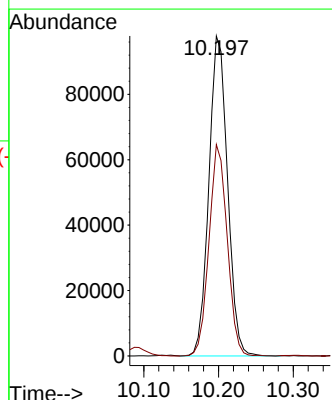
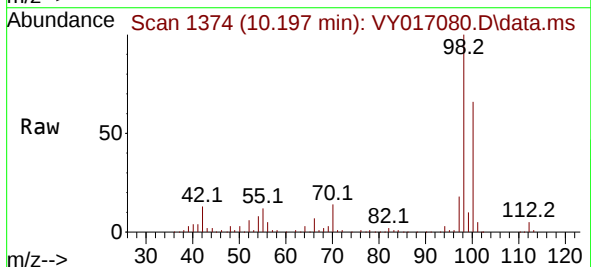
Manual Integrations
APPROVED

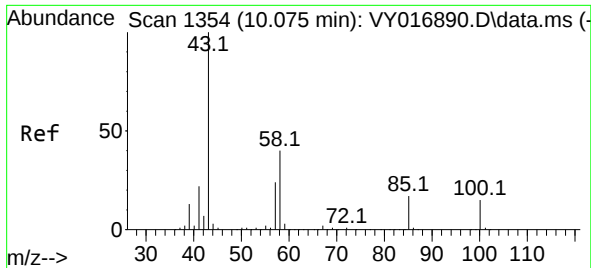
Reviewed By :Mahesh Dadoda 01/23/2024
Supervised By :Semsettin Yesilyurt 01/23/2024



#50
Toluene-d8
Concen: 37.501 ug/l
RT: 10.197 min Scan# 1374
Delta R.T. 0.006 min
Lab File: VY017080.D
Acq: 22 Jan 2024 17:39

Tgt Ion: 98 Resp: 169612
Ion Ratio Lower Upper
98 100
100 64.6 52.3 78.5





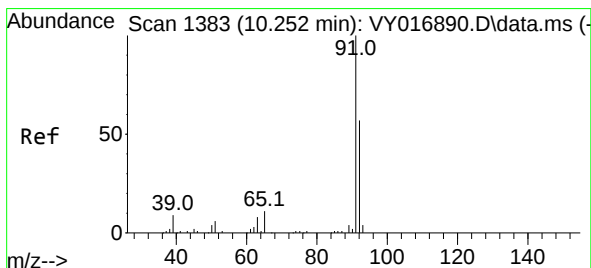
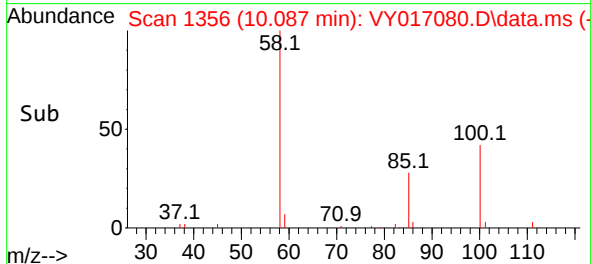
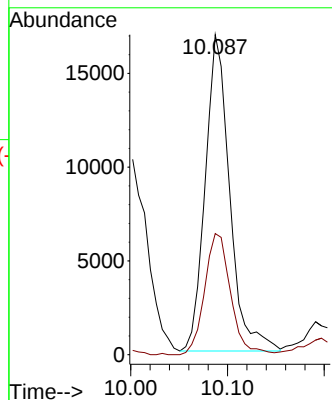
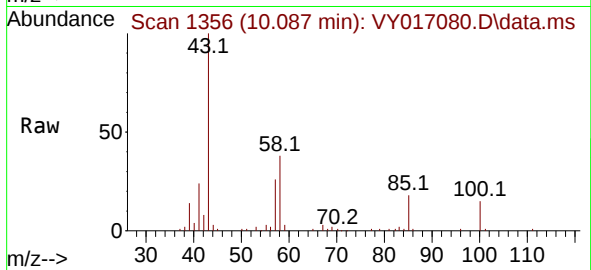
#51
4-Methyl-2-Pentanone
Concen: 33.553 ug/l
RT: 10.087 min Scan# 1354
Delta R.T. 0.006 min
Lab File: VY017080.D
Acq: 22 Jan 2024 17:39

Instrument :
MSVOA_Y
ClientSampleId :
133

Tgt Ion: 43 Resp: 29725
Ion Ratio Lower Upper
43 100
58 40.5 32.2 48.2

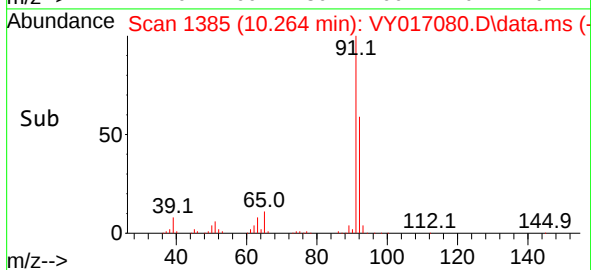
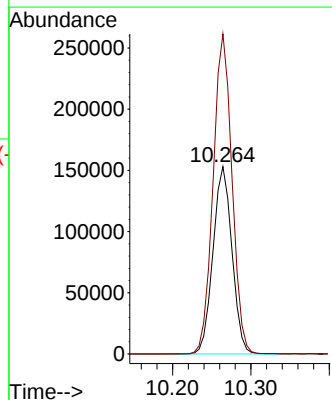
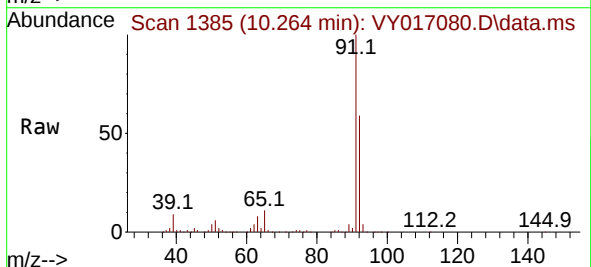
Manual Integrations
APPROVED

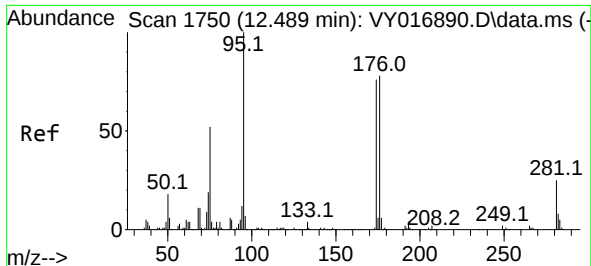
Reviewed By :Mahesh Dadoda 01/23/2024
Supervised By :Semsettin Yesilyurt 01/23/2024



#52
Toluene
Concen: 74.209 ug/l
RT: 10.264 min Scan# 1385
Delta R.T. 0.012 min
Lab File: VY017080.D
Acq: 22 Jan 2024 17:39

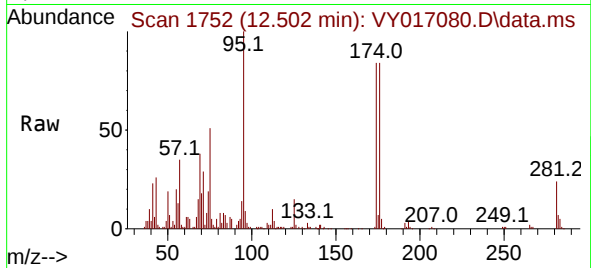
Tgt Ion: 92 Resp: 257163
Ion Ratio Lower Upper
92 100
91 170.1 137.6 206.4





#62
4-Bromofluorobenzene
Concen: 23.124 ug/l
RT: 12.502 min Scan# 1133
Delta R.T. 0.013 min
Lab File: VY017080.D
Acq: 22 Jan 2024 17:39

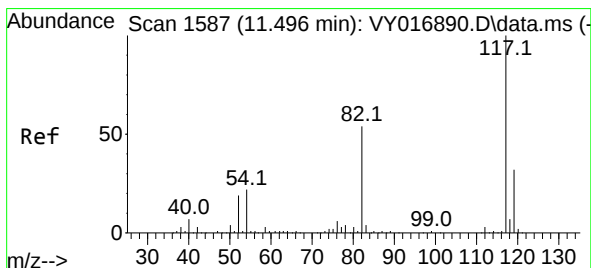
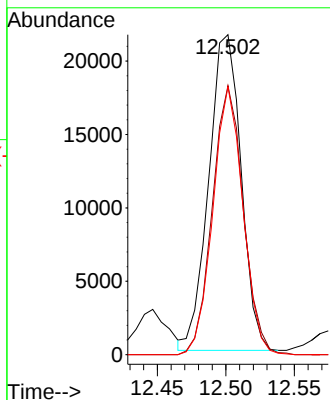
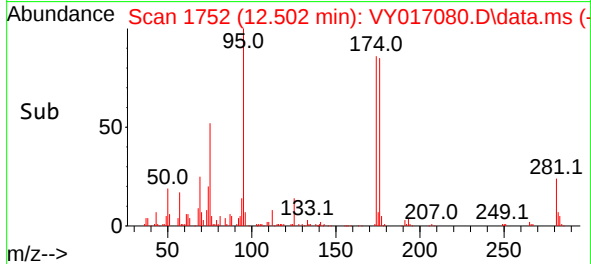
Instrument :
MSVOA_Y
ClientSampleId :
133



Tgt Ion: 95 Resp: 35280
Ion Ratio Lower Upper
95 100
174 81.6 0.0 160.0
176 78.8 0.0 151.8

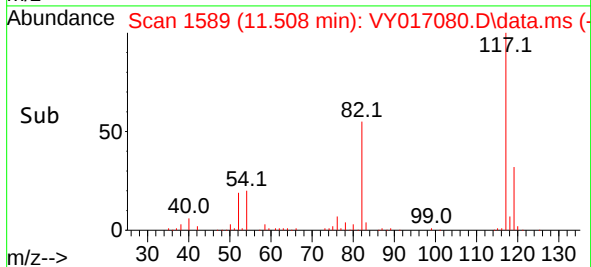
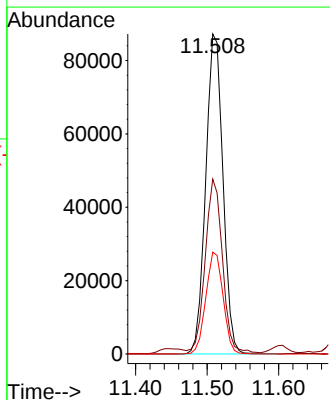
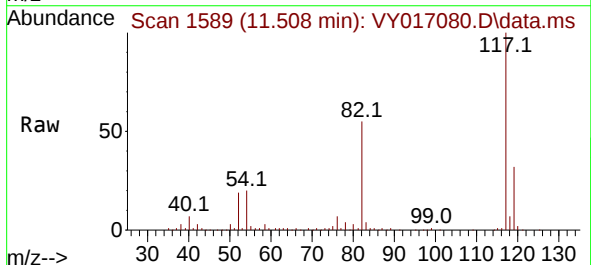
Manual Integrations
APPROVED

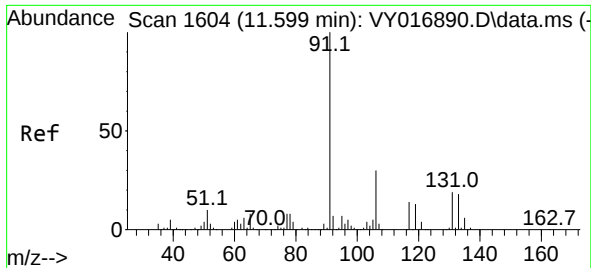
Reviewed By :Mahesh Dadoda 01/23/2024
Supervised By :Semsettin Yesilyurt 01/23/2024



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 1589
Delta R.T. 0.006 min
Lab File: VY017080.D
Acq: 22 Jan 2024 17:39

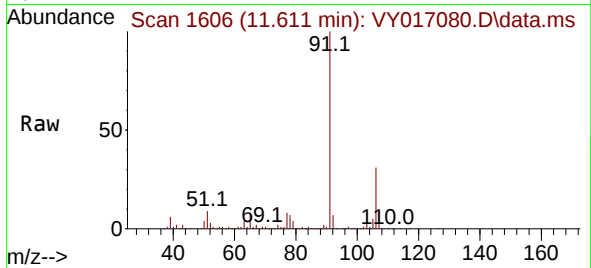
Tgt Ion:117 Resp: 145740
Ion Ratio Lower Upper
117 100
82 53.1 43.8 65.8
119 31.8 26.5 39.7





#67
Ethyl Benzene
Concen: 36.163 ug/l
RT: 11.611 min Scan# 1606
Delta R.T. 0.012 min
Lab File: VY017080.D
Acq: 22 Jan 2024 17:39

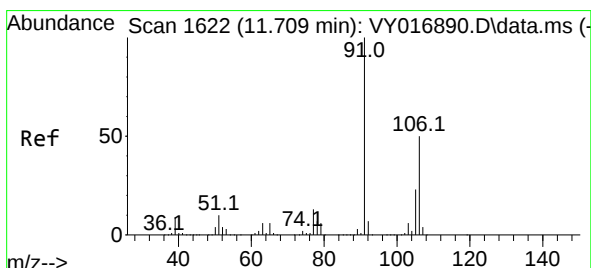
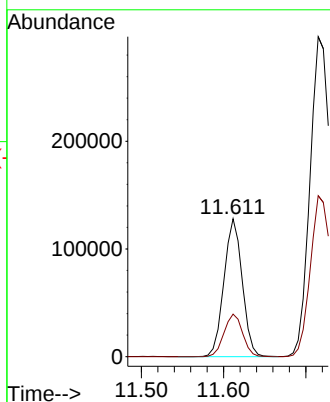
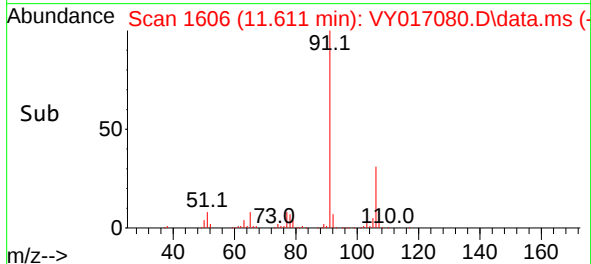
Instrument :
MSVOA_Y
ClientSampleId :
133



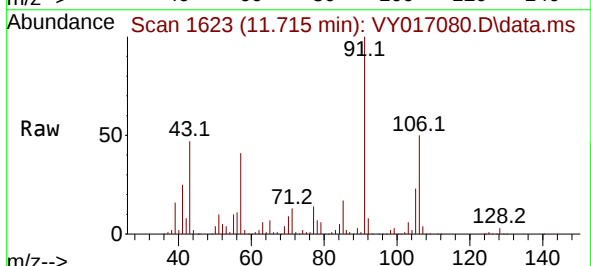
Tgt Ion: 91 Resp: 197664
Ion Ratio Lower Upper
91 100
106 30.9 25.0 37.4

Manual Integrations
APPROVED

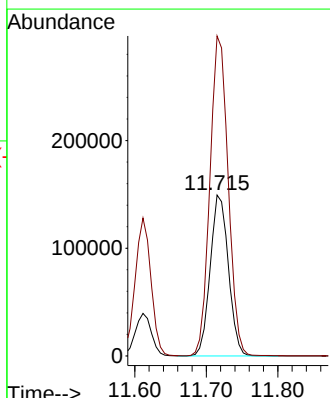
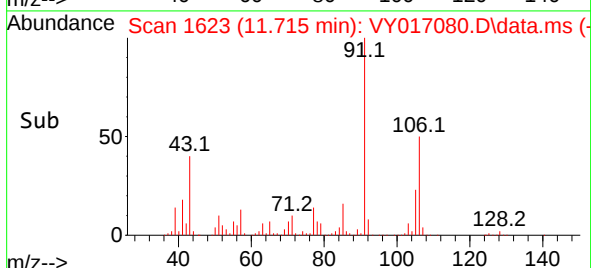
Reviewed By :Mahesh Dadoda 01/23/2024
Supervised By :Semsettin Yesilyurt 01/23/2024

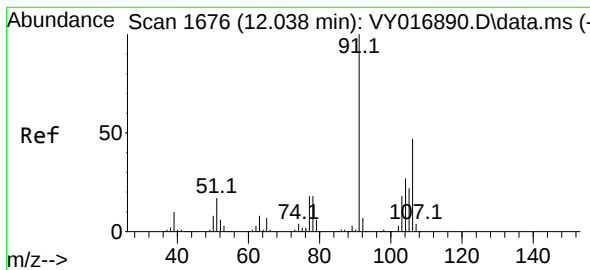


#68
m/p-Xylenes
Concen: 131.582 ug/l
RT: 11.715 min Scan# 1623
Delta R.T. 0.006 min
Lab File: VY017080.D
Acq: 22 Jan 2024 17:39



Tgt Ion:106 Resp: 263996
Ion Ratio Lower Upper
106 100
91 199.7 160.7 241.1





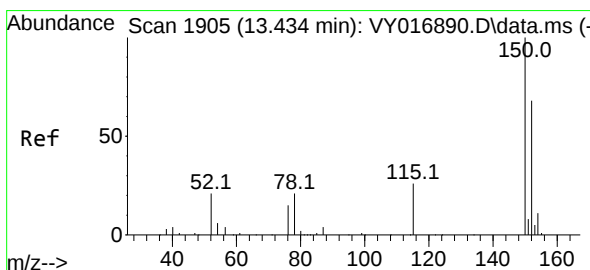
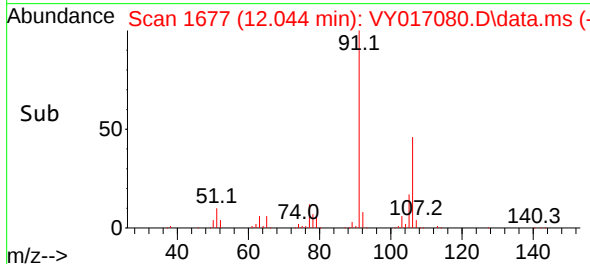
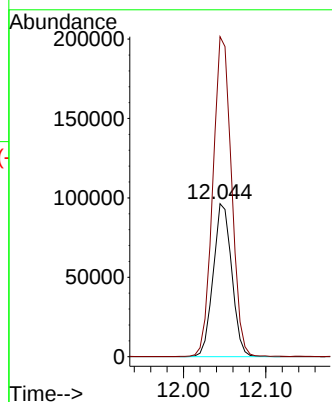
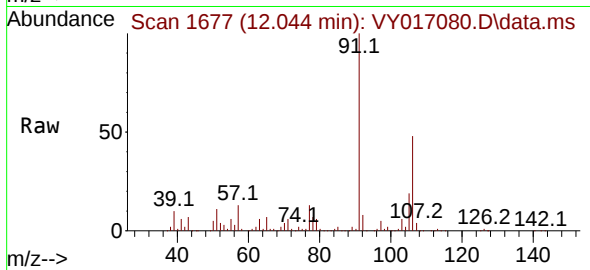
#69
o-Xylene
Concen: 80.106 ug/l
RT: 12.044 min Scan# 1133
Delta R.T. 0.006 min
Lab File: VY017080.D
Acq: 22 Jan 2024 17:39

Instrument :
MSVOA_Y
ClientSampleId :
133

Tgt Ion:106 Resp: 150670
Ion Ratio Lower Upper
106 100
91 210.9 106.5 319.5

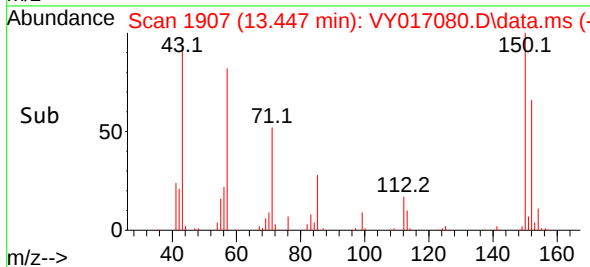
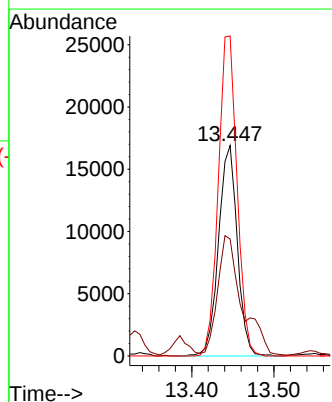
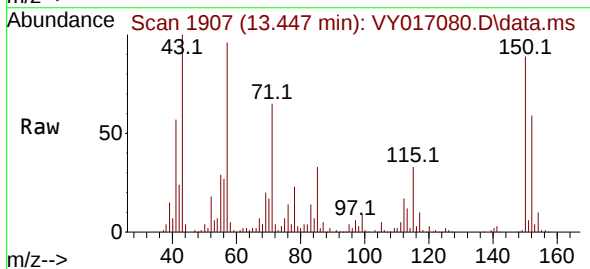
Manual Integrations
APPROVED

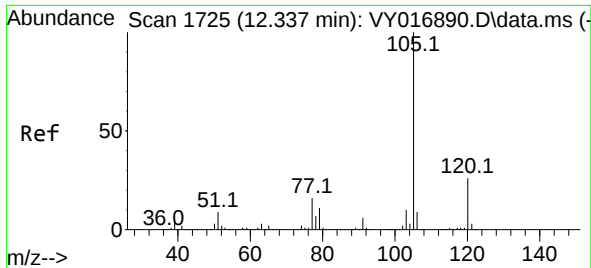
Reviewed By :Mahesh Dadoda 01/23/2024
Supervised By :Semsettin Yesilyurt 01/23/2024



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.447 min Scan# 1907
Delta R.T. 0.013 min
Lab File: VY017080.D
Acq: 22 Jan 2024 17:39

Tgt Ion:152 Resp: 26801
Ion Ratio Lower Upper
152 100
115 73.2 30.0 90.0
150 151.9 0.0 344.6





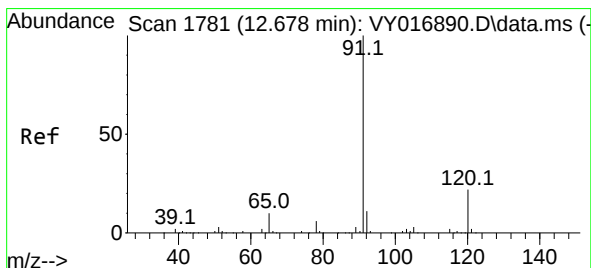
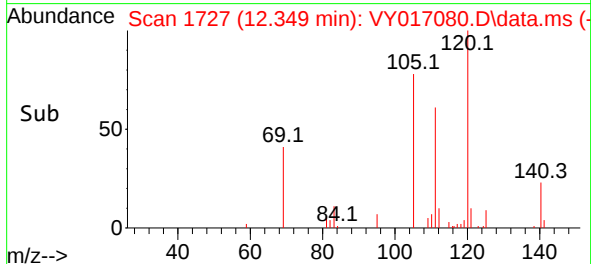
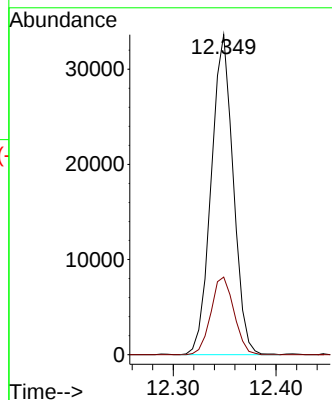
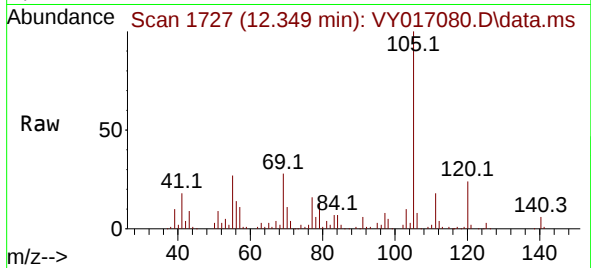
#73
Isopropylbenzene
Concen: 22.911 ug/l
RT: 12.349 min Scan# 1727
Delta R.T. 0.012 min
Lab File: VY017080.D
Acq: 22 Jan 2024 17:39

Instrument :
MSVOA_Y
ClientSampleId :
133

Tgt Ion:105 Resp: 5014
Ion Ratio Lower Upper
105 100
120 25.3 13.0 39.0

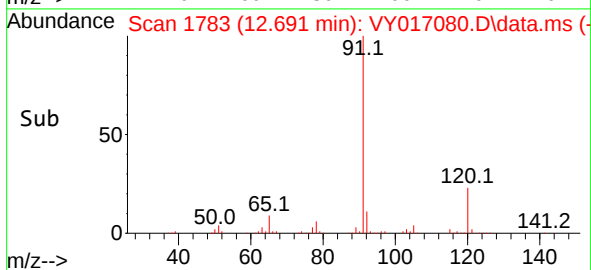
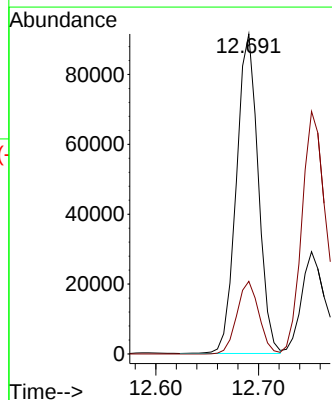
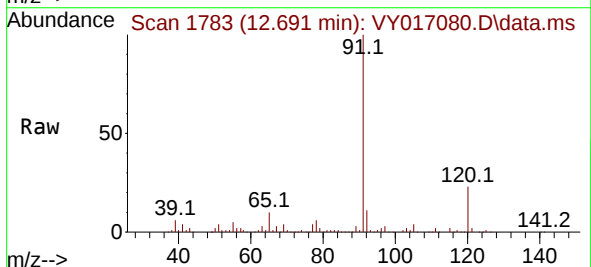
Manual Integrations
APPROVED

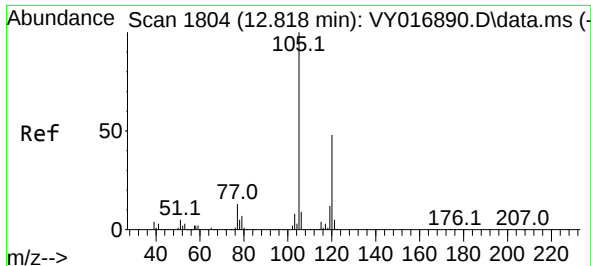
Reviewed By :Mahesh Dadoda 01/23/2024
Supervised By :Semsettin Yesilyurt 01/23/2024



#78
n-propylbenzene
Concen: 50.771 ug/l
RT: 12.691 min Scan# 1783
Delta R.T. 0.013 min
Lab File: VY017080.D
Acq: 22 Jan 2024 17:39

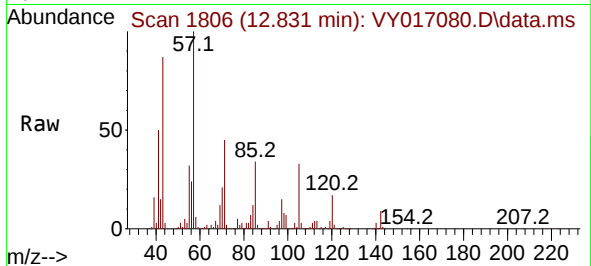
Tgt Ion: 91 Resp: 135086
Ion Ratio Lower Upper
91 100
120 22.9 11.0 33.0





#80
1,3,5-Trimethylbenzene
Concen: 61.145 ug/l
RT: 12.831 min Scan# 1804
Delta R.T. 0.013 min
Lab File: VY017080.D
Acq: 22 Jan 2024 17:39

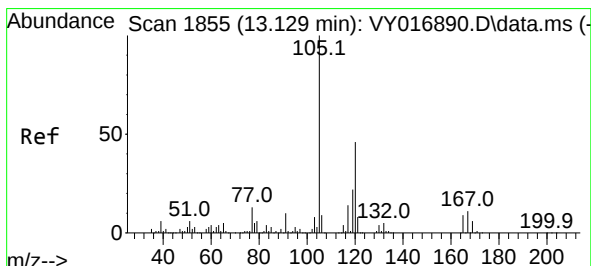
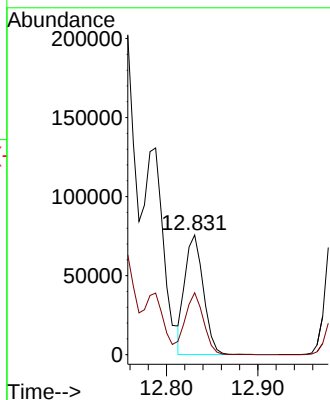
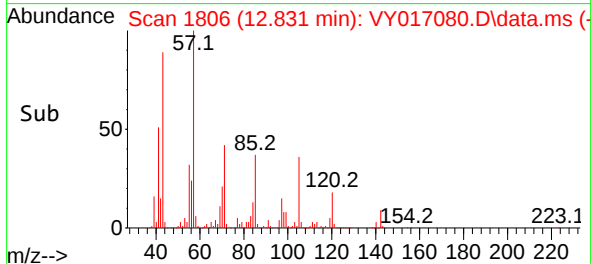
Instrument :
MSVOA_Y
ClientSampleId :
133



Tgt Ion:105 Resp: 105830
Ion Ratio Lower Upper
105 100
120 53.1 24.3 72.8

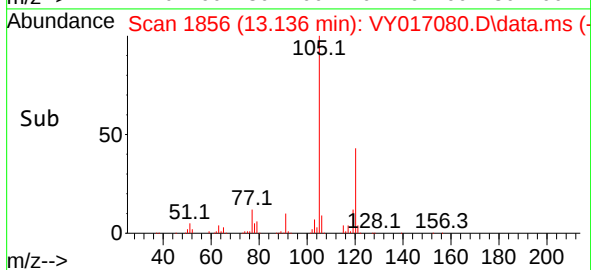
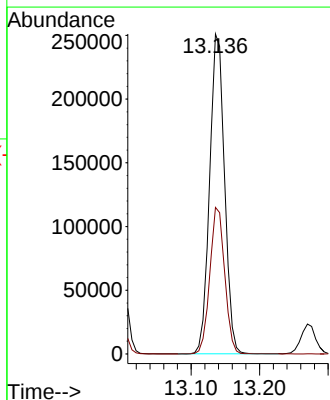
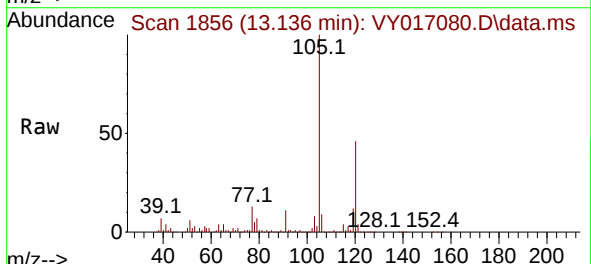
Manual Integrations
APPROVED

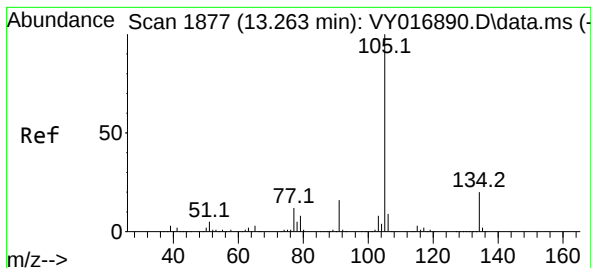
Reviewed By :Mahesh Dadoda 01/23/2024
Supervised By :Semsettin Yesilyurt 01/23/2024



#84
1,2,4-Trimethylbenzene
Concen: 222.565 ug/l
RT: 13.136 min Scan# 1856
Delta R.T. 0.007 min
Lab File: VY017080.D
Acq: 22 Jan 2024 17:39

Tgt Ion:105 Resp: 379386
Ion Ratio Lower Upper
105 100
120 45.7 22.1 66.3





#85

sec-Butylbenzene

Concen: 15.019 ug/l

RT: 13.270 min Scan# 1877

Delta R.T. 0.007 min

Lab File: VY017080.D

Acq: 22 Jan 2024 17:39

Instrument :

MSVOA_Y

ClientSampleId :

133

Tgt Ion:105 Resp: 3392

Ion Ratio Lower Upper

105 100

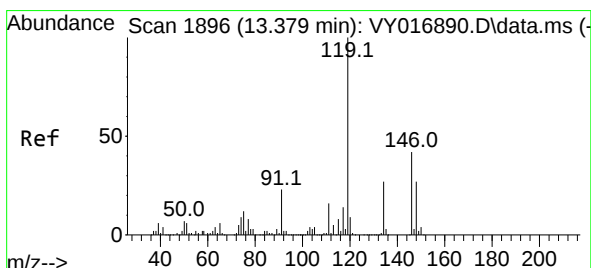
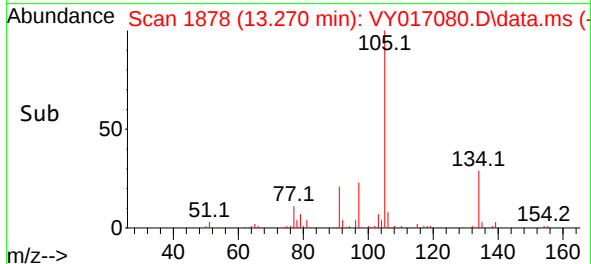
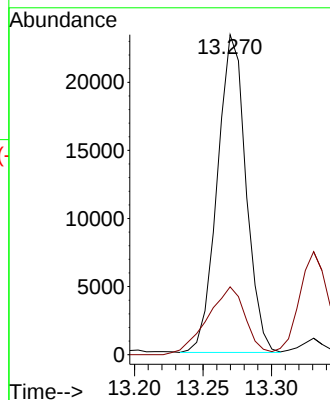
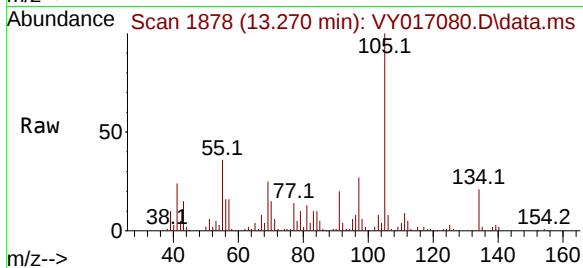
134 28.4 9.7 28.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/23/2024

Supervised By :Semsettin Yesilyurt 01/23/2024



#86

p-Isopropyltoluene

Concen: 13.663 ug/l

RT: 13.386 min Scan# 1897

Delta R.T. 0.007 min

Lab File: VY017080.D

Acq: 22 Jan 2024 17:39

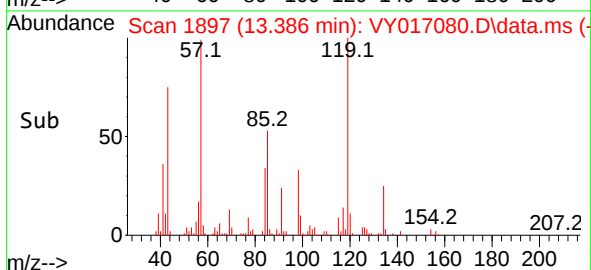
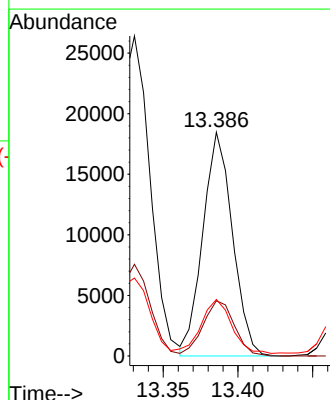
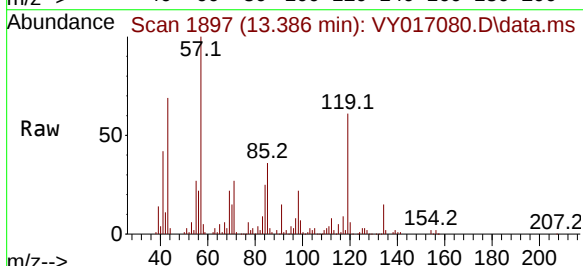
Tgt Ion:119 Resp: 25472

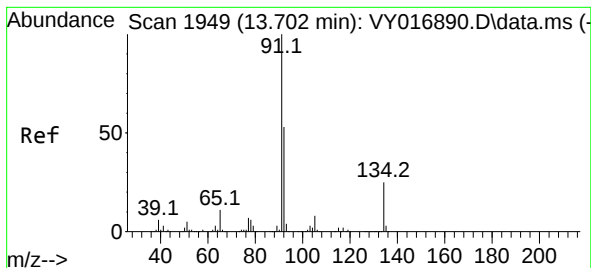
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.1

91 24.3 11.7 35.0





#89

n-Butylbenzene

Concen: 14.887 ug/l m

RT: 13.715 min Scan# 1949

Delta R.T. 0.013 min

Lab File: VY017080.D

Acq: 22 Jan 2024 17:39

Instrument :

MSVOA_Y

ClientSampleId :

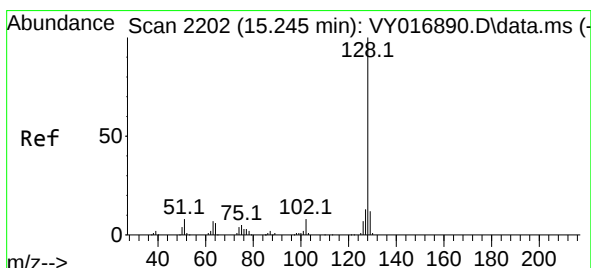
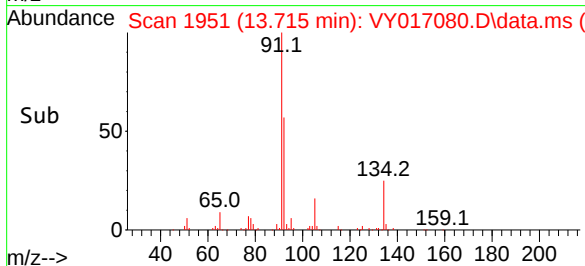
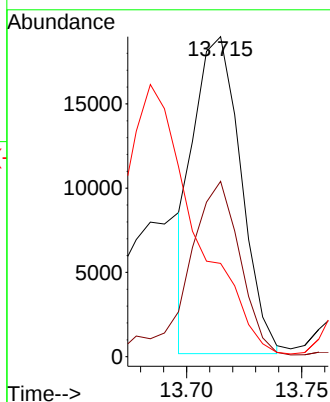
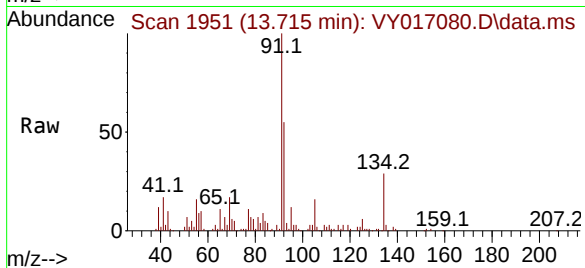
133

Tgt Ion:	91	Resp:	2668
Ion	Ratio	Lower	Upper
91	100		
92	62.2	26.4	79.2
134	0.0	12.3	36.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/23/2024
Supervised By :Semsettin Yesilyurt 01/23/2024



#95

Naphthalene

Concen: 15.195 ug/l

RT: 15.257 min Scan# 2204

Delta R.T. 0.012 min

Lab File: VY017080.D

Acq: 22 Jan 2024 17:39

Tgt Ion:	128	Resp:	10096
Ion	Ratio	Lower	Upper
128	100		
127	14.8	10.2	15.4
129	11.5	8.6	12.8

