

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091622\
 Data File : VY010541.D
 Acq On : 16 Sep 2022 17:37
 Operator : KP/MD
 Sample : N4630-16
 Misc : 4.92g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-17-4-4

Quant Time: Sep 17 00:29:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 09 17:08:30 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 09/19/2022
 Supervised By :Mahesh Dadoda 09/19/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	133669	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	197178	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	128567	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.404	152	43933	50.000	ug/l	#-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	51157	37.999	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	76.000%		
35) Dibromofluoromethane	7.716	113	55125	39.365	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	78.720%		
50) Toluene-d8	10.179	98	432019	95.190	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	190.380%#		
62) 4-Bromofluorobenzene	12.471	95	249464	151.118	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	302.240%#		
Target Compounds					Qvalue	
16) Acetone	3.936	43	33936	109.841	ug/l	96
17) Carbon Disulfide	4.186	76	11157	3.201	ug/l #	92
25) 2-Butanone	6.978	43	10527	21.440	ug/l	96
31) Cyclohexane	7.777	56	177172	77.900	ug/l	92
39) Methylcyclohexane	9.179	83	1551836	649.189	ug/l	92
52) Toluene	10.240	92	4536	1.256	ug/l #	63
67) Ethyl Benzene	11.587	91	13456	2.644	ug/l #	84
68) m/p-Xylenes	11.703	106	30455	15.245	ug/l #	65
69) o-Xylene	12.026	106	75078	39.358	ug/l	72
73) Isopropylbenzene	12.331	105	545356	159.097	ug/l	99
78) n-propylbenzene	12.672	91	597213	147.131	ug/l	96
80) 1,3,5-Trimethylbenzene	12.813	105	96416	33.337	ug/l	98
83) tert-Butylbenzene	13.075	119	115546	45.708	ug/l	87
84) 1,2,4-Trimethylbenzene	13.117	105	1587494	560.971	ug/l	99
85) sec-Butylbenzene	13.251	105	823418	219.979	ug/l #	75
86) p-Isopropyltoluene	13.367	119	71072m	22.447	ug/l	
89) n-Butylbenzene	13.697	91	373165	129.841	ug/l #	80

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

Manual Integrations

Reviewed By :Krupa Patel 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

TIC: VY010541.D\data.ms

Abundance

Time-->

Acetone, T
Carbon Disulfide, T

2-Butanone, T

Dichlorobenzene, S
1,2-Dichloroethane-d4, S

1,4-Difluorobenzene, I

Methylenecyclohexane, T

Toluene, CM
Toluene-d8, S

Chlorobenzene-d5, C
m-Xylene, T

o-Xylene, T

4-Ethylchlorobenzene, S
Isopropylbenzene, T

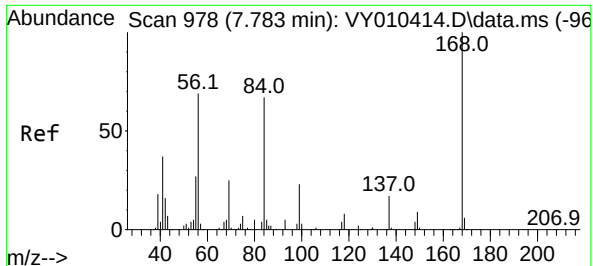
n-Propylbenzene, T

1,2,4-Trimethylbenzene, T
sec-Butylbenzene, T

1,4-Dichlorobenzene, C

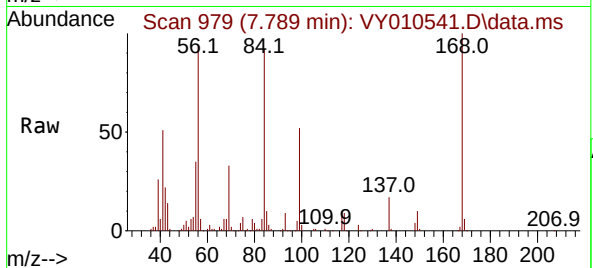
n-Butylbenzene, T

1,3,5-Trimethylbenzene, T



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010541.D
Acq: 16 Sep 2022 17:37

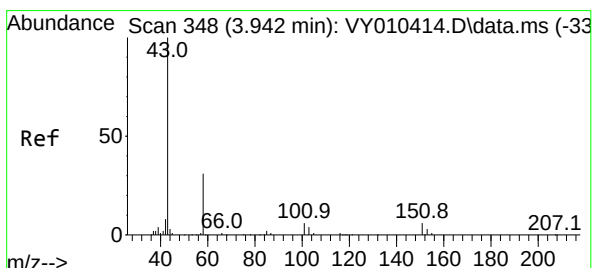
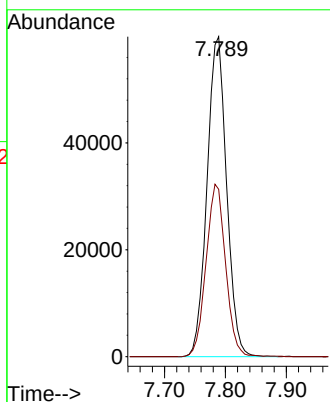
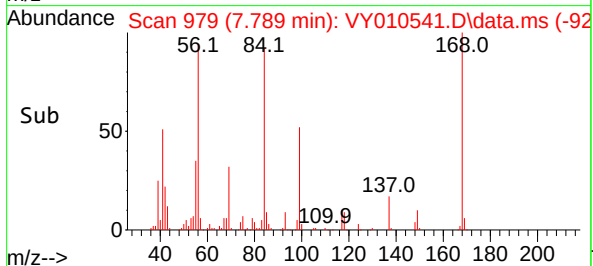
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-4



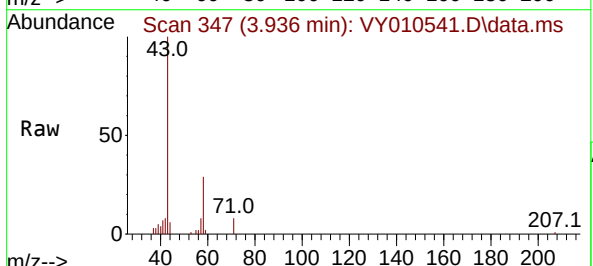
Tgt Ion:168 Resp: 133669
Ion Ratio Lower Upper
168 100
99 52.3 46.9 70.3

Manual Integrations
APPROVED

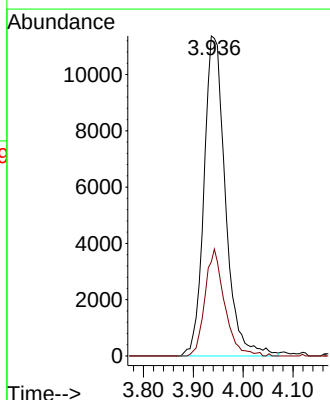
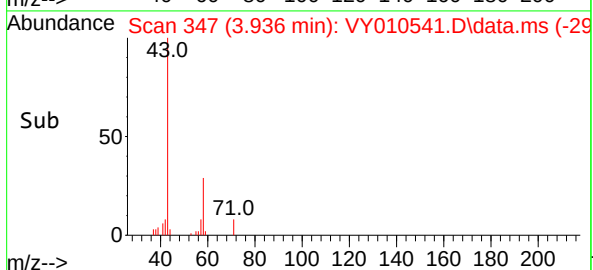
Reviewed By :Krupa Patel 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

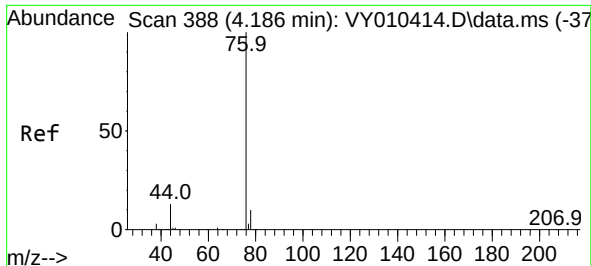


#16
Acetone
Concen: 109.841 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY010541.D
Acq: 16 Sep 2022 17:37



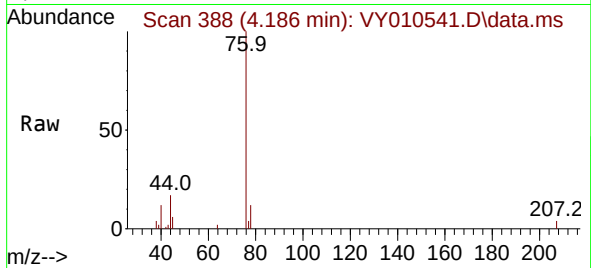
Tgt Ion: 43 Resp: 33936
Ion Ratio Lower Upper
43 100
58 29.4 22.0 33.0





#17
Carbon Disulfide
Concen: 3.201 ug/l
RT: 4.186 min Scan# 388
Delta R.T. 0.000 min
Lab File: VY010541.D
Acq: 16 Sep 2022 17:37

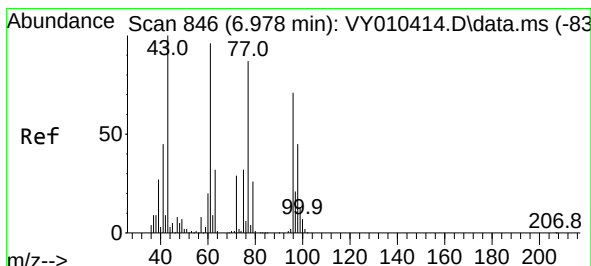
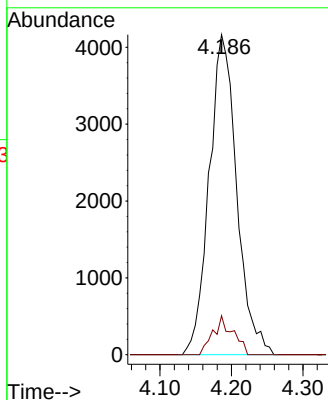
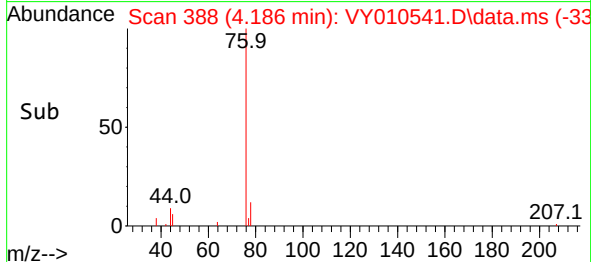
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-4



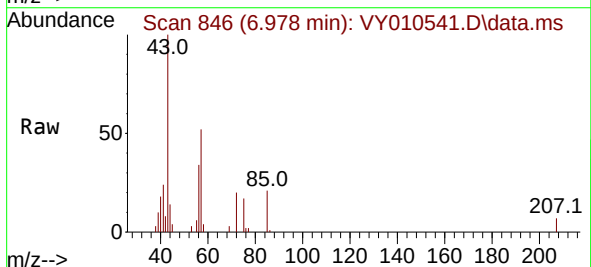
Tgt Ion: 76 Resp: 1115
Ion Ratio Lower Upper
76 100
78 12.2 7.4 11.0

Manual Integrations
APPROVED

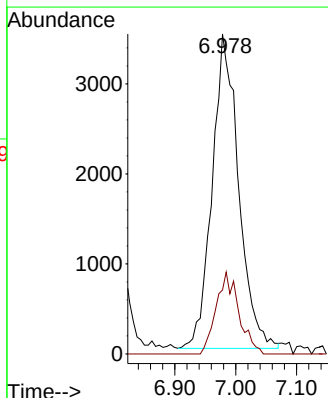
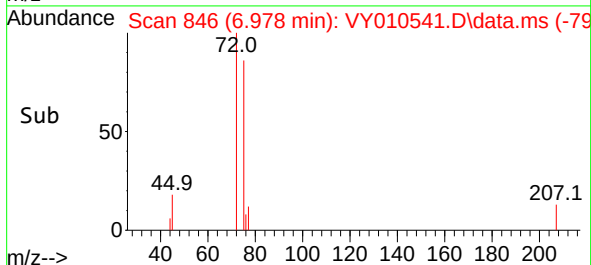
Reviewed By :Krupa Patel 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

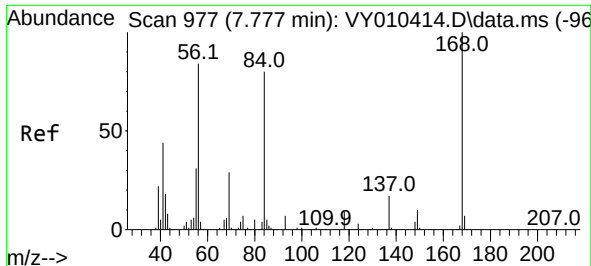


#25
2-Butanone
Concen: 21.440 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY010541.D
Acq: 16 Sep 2022 17:37



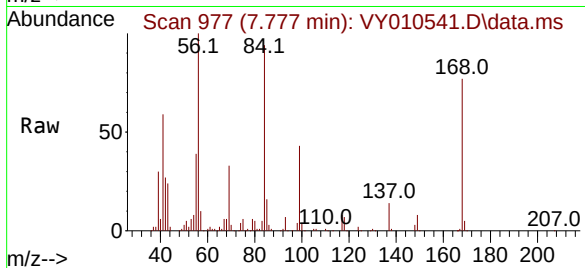
Tgt Ion: 43 Resp: 10527
Ion Ratio Lower Upper
43 100
72 20.3 17.7 26.5





#31
Cyclohexane
Concen: 77.900 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010541.D
Acq: 16 Sep 2022 17:37

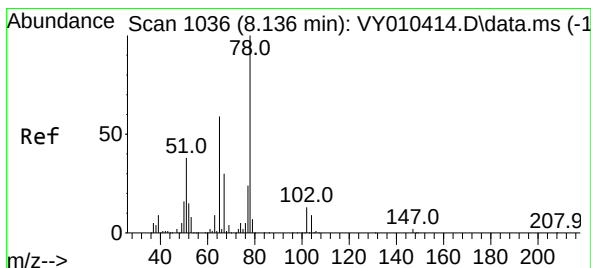
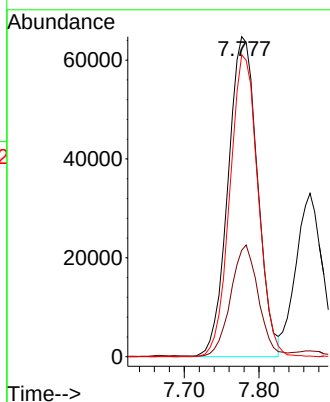
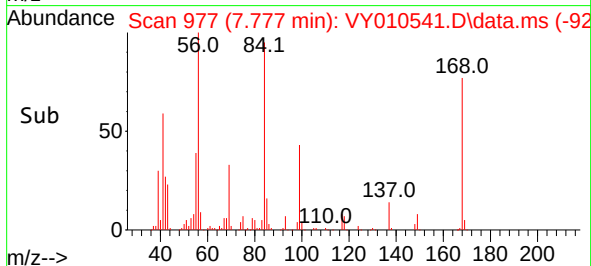
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-4



Tgt Ion: 56 Resp: 177172
Ion Ratio Lower Upper
56 100
69 33.0 26.7 40.1
84 94.3 67.2 100.8

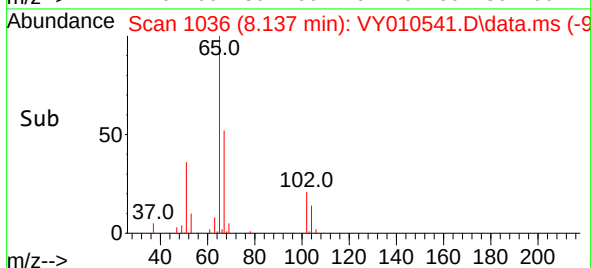
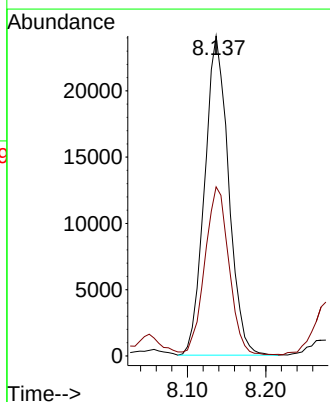
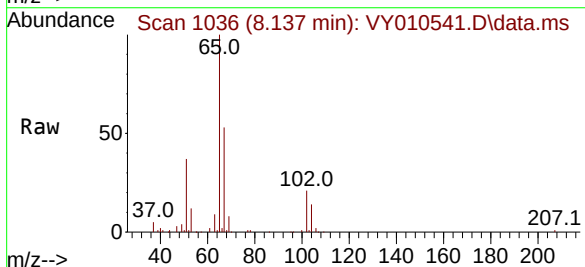
Manual Integrations
APPROVED

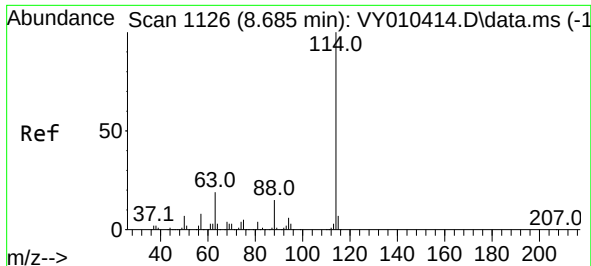
Reviewed By :Krupa Patel 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022



#33
1,2-Dichloroethane-d4
Concen: 37.999 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY010541.D
Acq: 16 Sep 2022 17:37

Tgt Ion: 65 Resp: 51157
Ion Ratio Lower Upper
65 100
67 52.7 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010541.D

Acq: 16 Sep 2022 17:37

Instrument :

MSVOA_Y

ClientSampleId :

WC-17-4-4

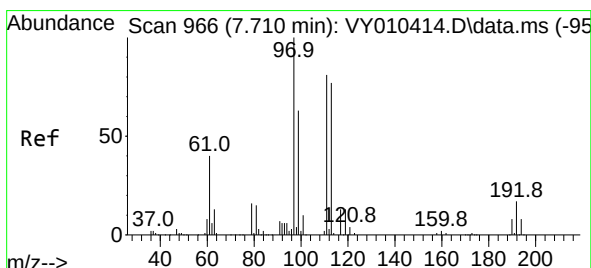
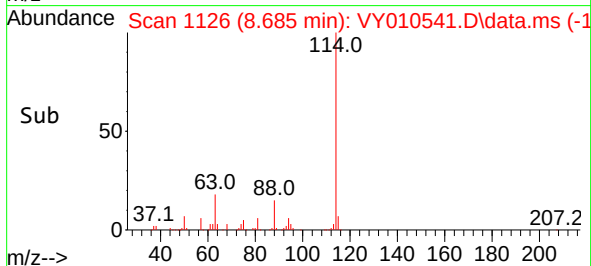
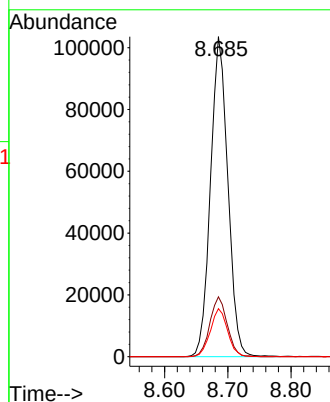
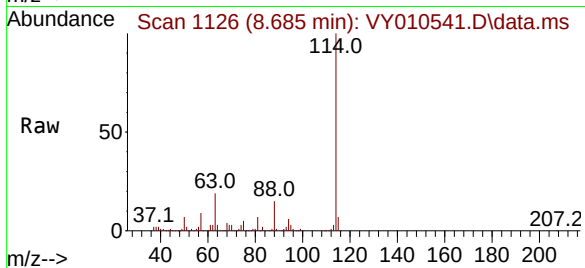
Tgt Ion:	114	Resp:	197178
Ion Ratio	Lower	Upper	
114	100		
63	18.7	0.0	43.2
88	15.0	0.0	31.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 09/19/2022

Supervised By :Mahesh Dadoda 09/19/2022



#35

Dibromofluoromethane

Concen: 39.365 ug/l

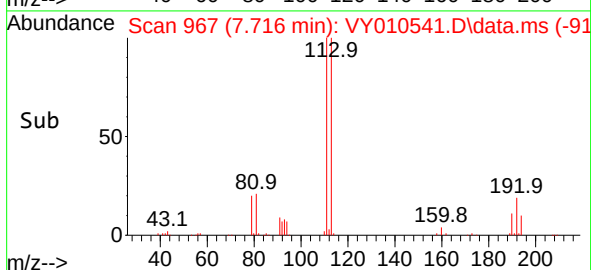
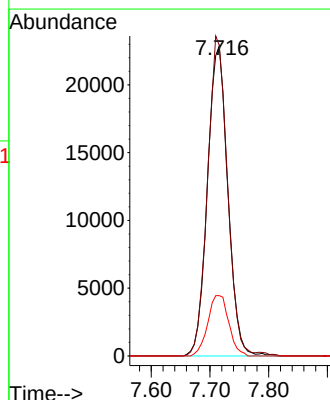
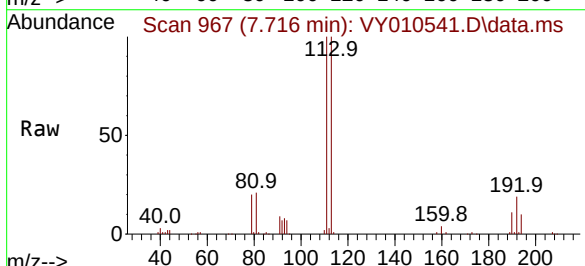
RT: 7.716 min Scan# 967

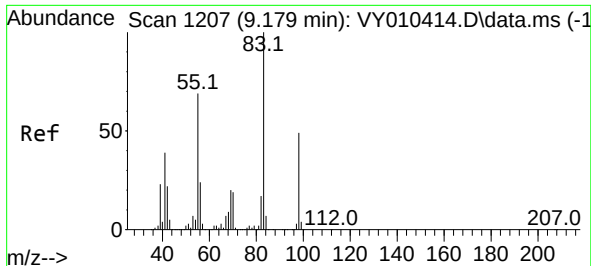
Delta R.T. 0.006 min

Lab File: VY010541.D

Acq: 16 Sep 2022 17:37

Tgt Ion:	113	Resp:	55125
Ion Ratio	Lower	Upper	
113	100		
111	100.7	82.6	124.0
192	20.1	17.6	26.4





#39

Methylcyclohexane

Concen: 649.189 ug/l

RT: 9.179 min Scan# 1207

Delta R.T. 0.000 min

Lab File: VY010541.D

Acq: 16 Sep 2022 17:37

Instrument :

MSVOA_Y

ClientSampleId :

WC-17-4-4

Tgt Ion: 83 Resp: 155183

Ion Ratio Lower Upper

83 100

55 73.6 66.5 99.7

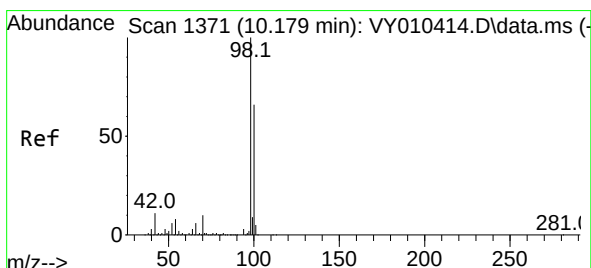
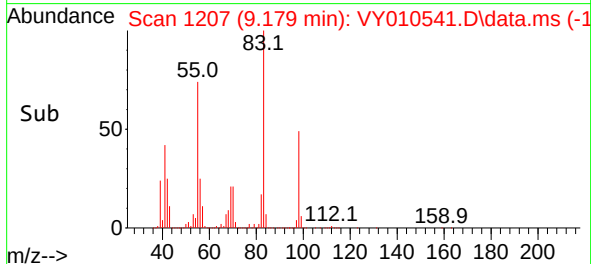
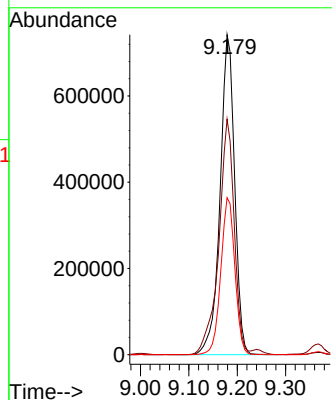
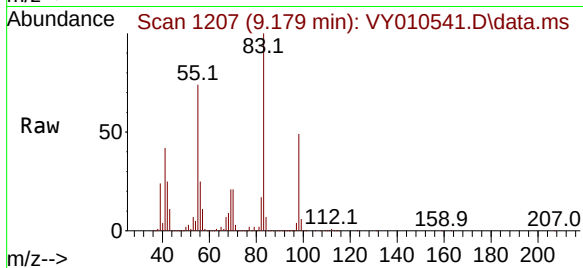
98 49.0 37.9 56.9

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 09/19/2022

Supervised By :Mahesh Dadoda 09/19/2022



#50

Toluene-d8

Concen: 95.190 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY010541.D

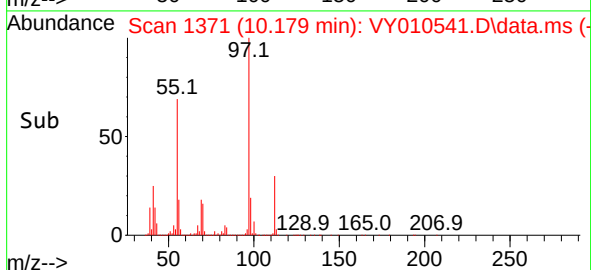
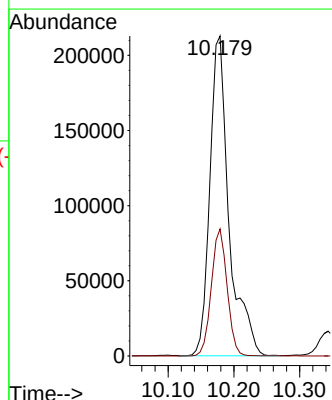
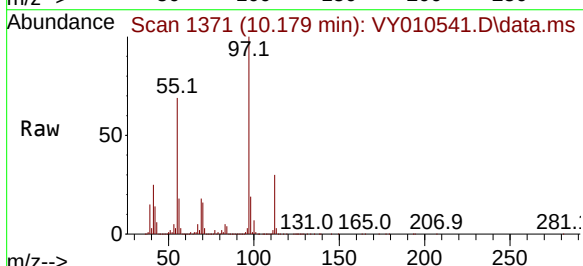
Acq: 16 Sep 2022 17:37

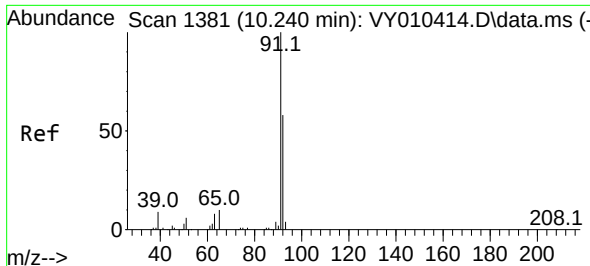
Tgt Ion: 98 Resp: 432019

Ion Ratio Lower Upper

98 100

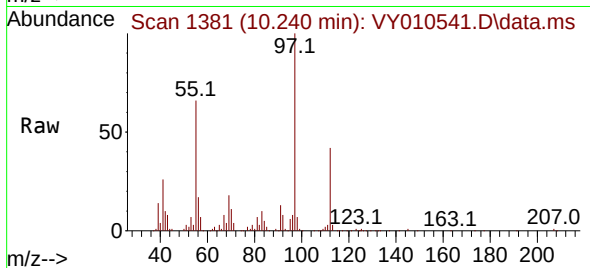
100 32.6 50.2 75.2#





#52
Toluene
Concen: 1.256 ug/l
RT: 10.240 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010541.D
Acq: 16 Sep 2022 17:37

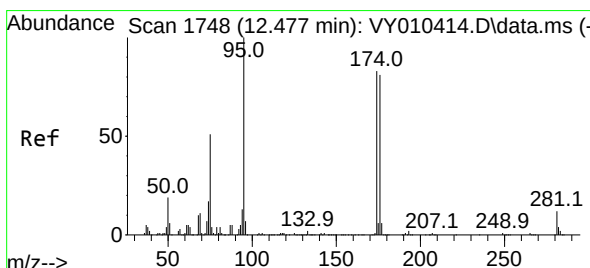
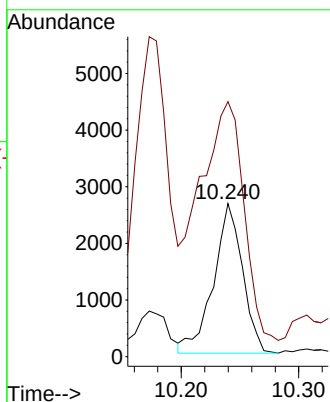
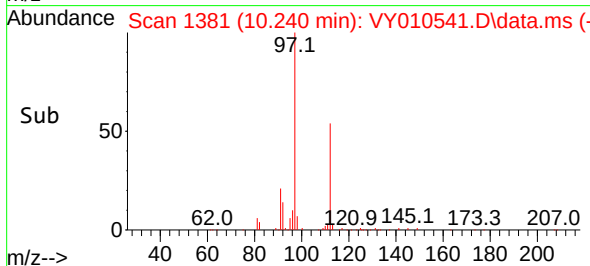
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-4



Tgt Ion: 92 Resp: 4530
Ion Ratio Lower Upper
92 100
91 230.1 142.6 213.8

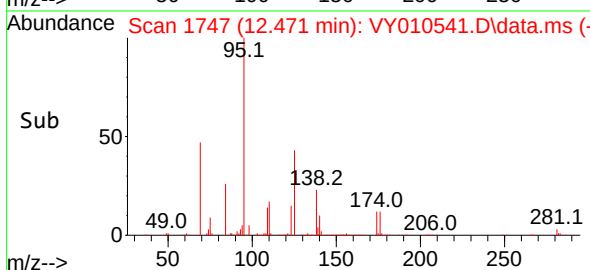
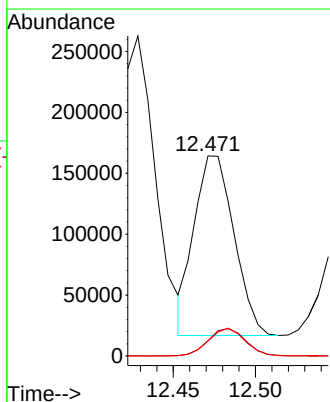
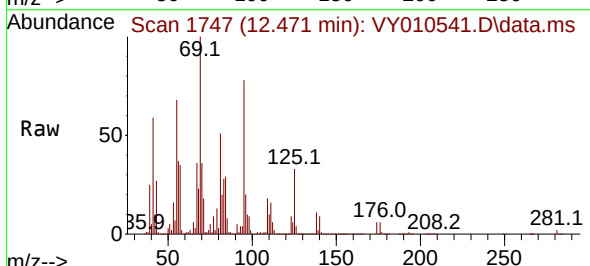
Manual Integrations
APPROVED

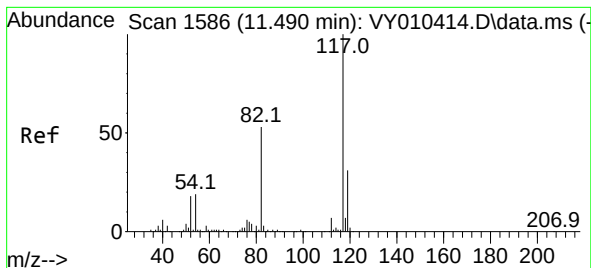
Reviewed By :Krupa Patel 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022



#62
4-Bromofluorobenzene
Concen: 151.118 ug/l
RT: 12.471 min Scan# 1747
Delta R.T. -0.006 min
Lab File: VY010541.D
Acq: 16 Sep 2022 17:37

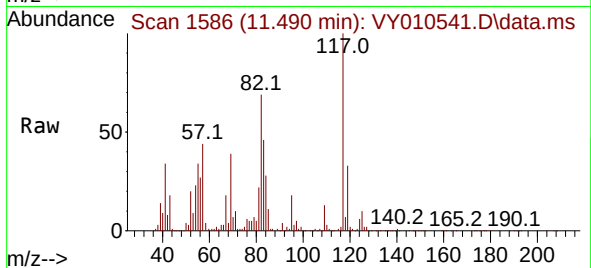
Tgt Ion: 95 Resp: 249464
Ion Ratio Lower Upper
95 100
174 14.4 0.0 177.0
176 14.1 0.0 175.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY010541.D
Acq: 16 Sep 2022 17:37

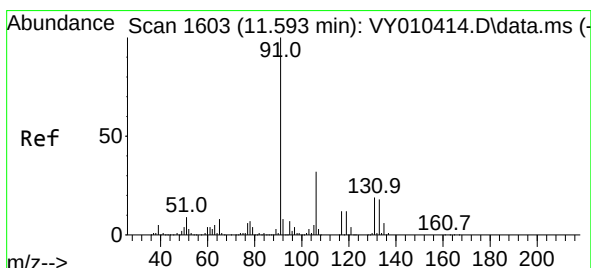
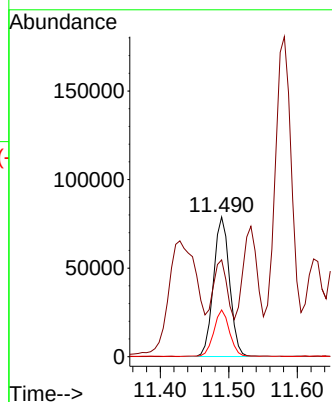
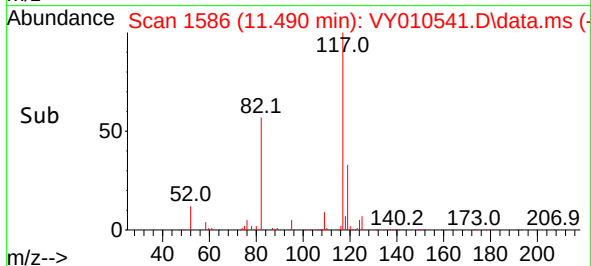
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-4



Tgt Ion: 117 Resp: 12856
Ion Ratio Lower Upper
117 100
82 0.0 43.0 64.4
119 33.3 25.4 38.0

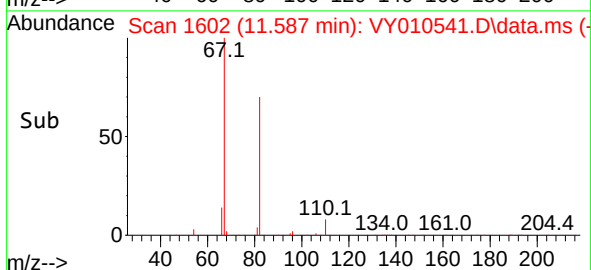
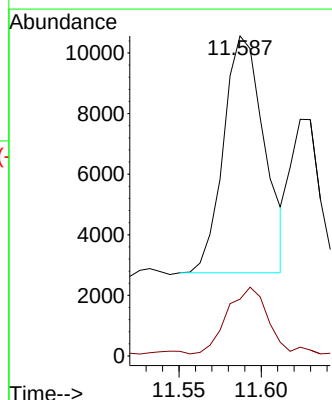
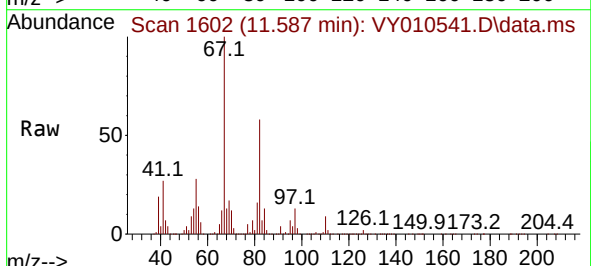
Manual Integrations
APPROVED

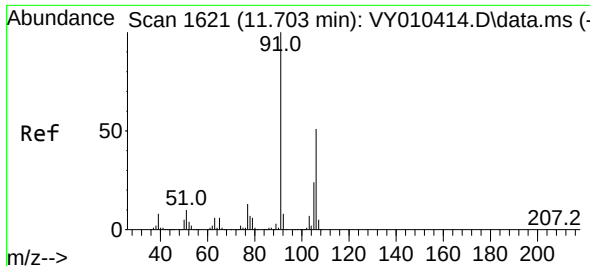
Reviewed By :Krupa Patel 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022



#67
Ethyl Benzene
Concen: 2.644 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. -0.006 min
Lab File: VY010541.D
Acq: 16 Sep 2022 17:37

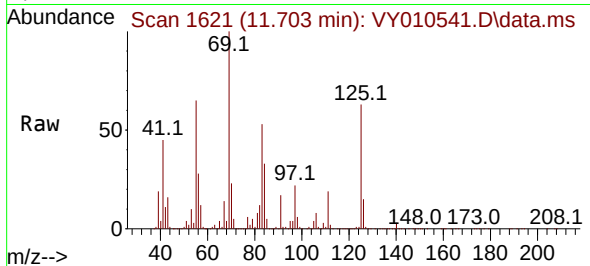
Tgt Ion: 91 Resp: 13456
Ion Ratio Lower Upper
91 100
106 22.0 24.5 36.7#





#68
m/p-Xylenes
Concen: 15.245 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY010541.D
Acq: 16 Sep 2022 17:37

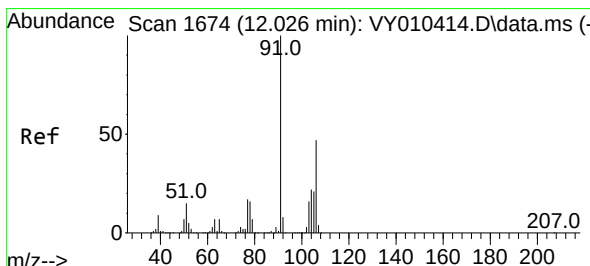
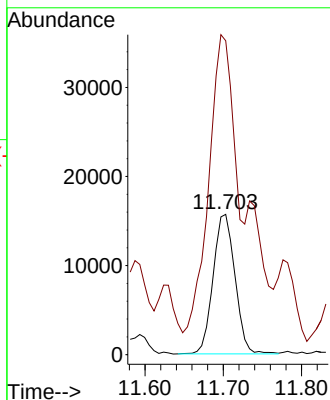
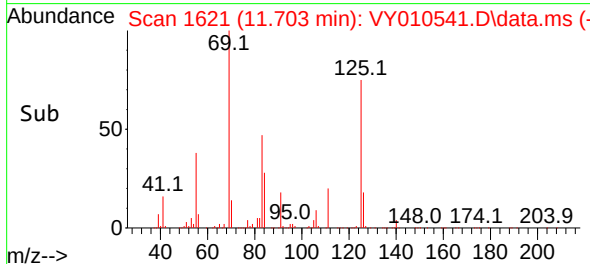
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-4



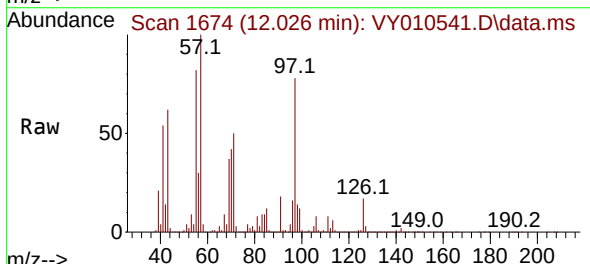
Tgt Ion:106 Resp: 3045
Ion Ratio Lower Upper
106 100
91 263.2 166.6 249.8

Manual Integrations
APPROVED

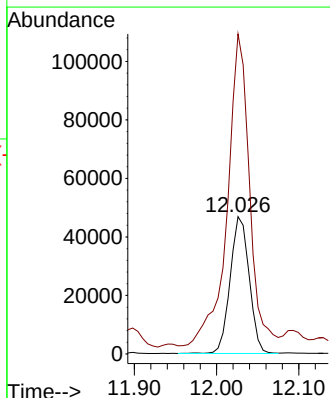
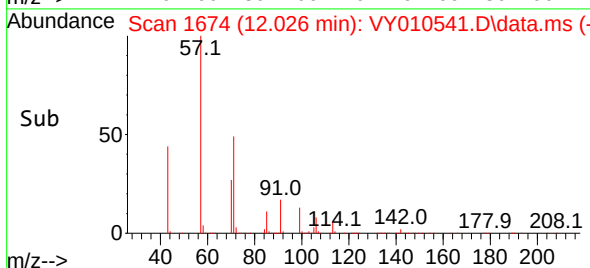
Reviewed By :Krupa Patel 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

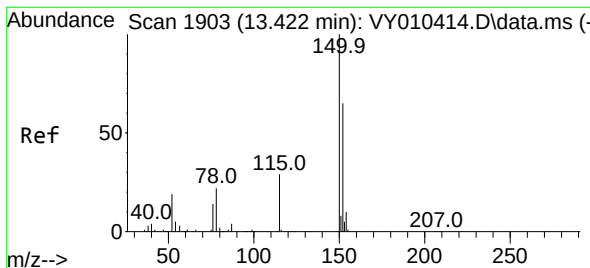


#69
o-Xylene
Concen: 39.358 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY010541.D
Acq: 16 Sep 2022 17:37



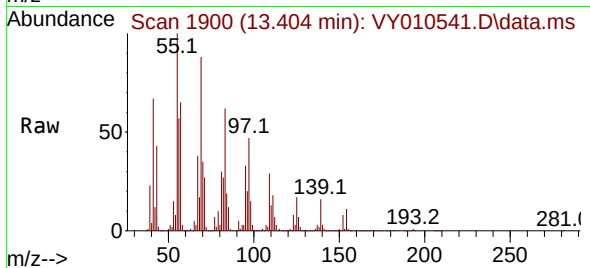
Tgt Ion:106 Resp: 75078
Ion Ratio Lower Upper
106 100
91 265.4 110.3 331.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.404 min Scan# 1903
Delta R.T. -0.018 min
Lab File: VY010541.D
Acq: 16 Sep 2022 17:37

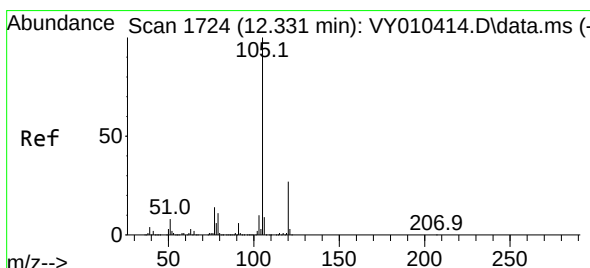
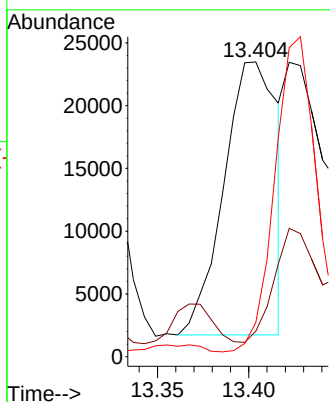
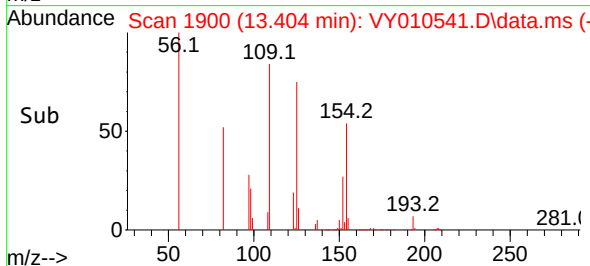
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-4



Tgt Ion:152 Resp: 4393
Ion Ratio Lower Upper
152 100
115 0.0 28.2 84.7
150 0.0 0.0 347.6

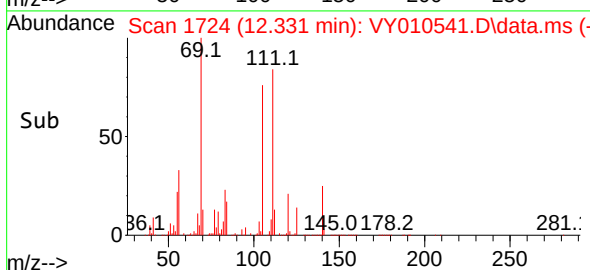
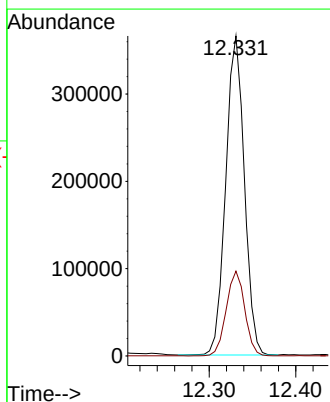
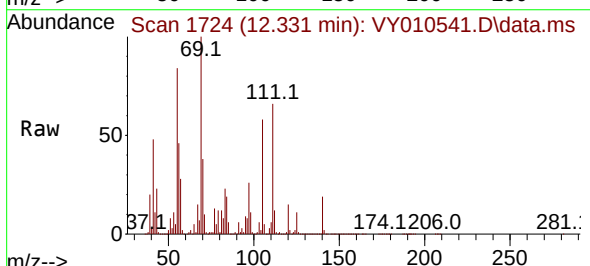
Manual Integrations
APPROVED

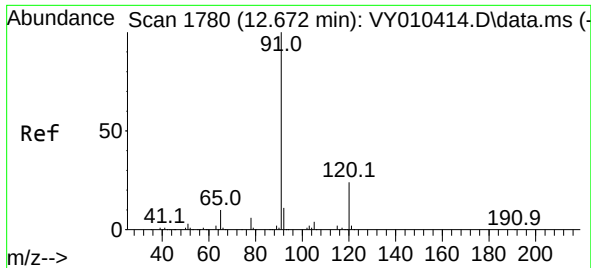
Reviewed By :Krupa Patel 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022



#73
Isopropylbenzene
Concen: 159.097 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY010541.D
Acq: 16 Sep 2022 17:37

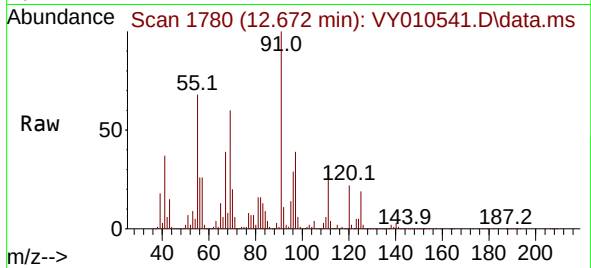
Tgt Ion:105 Resp: 545356
Ion Ratio Lower Upper
105 100
120 26.4 13.4 40.2





#78
n-propylbenzene
Concen: 147.131 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY010541.D
Acq: 16 Sep 2022 17:37

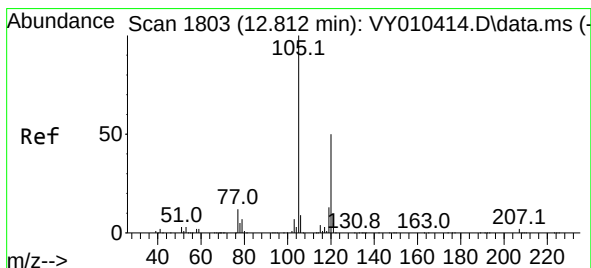
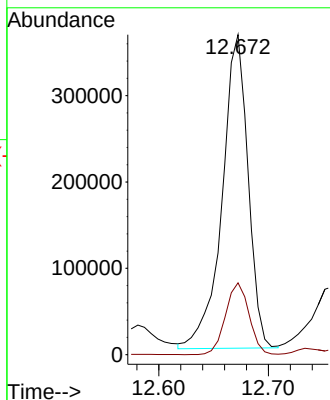
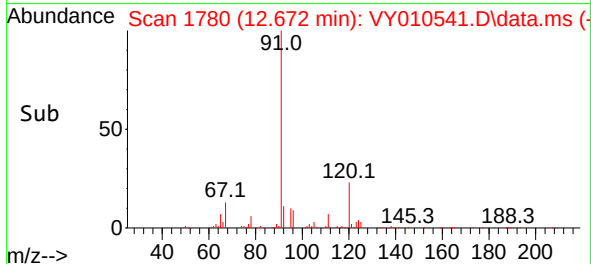
Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-4



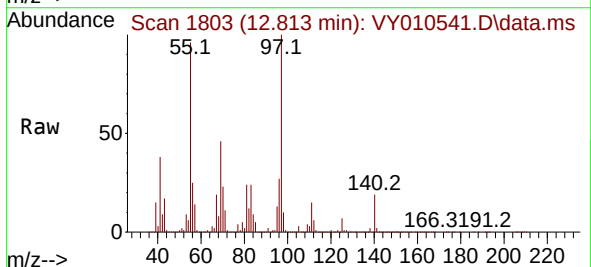
Tgt Ion: 91 Resp: 59721
Ion Ratio Lower Upper
91 100
120 20.7 11.3 33.9

Manual Integrations
APPROVED

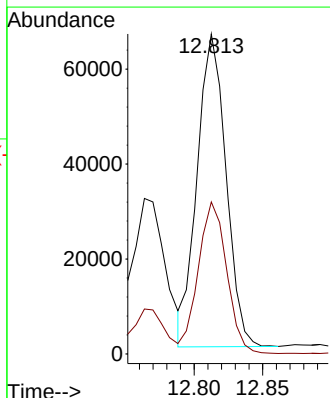
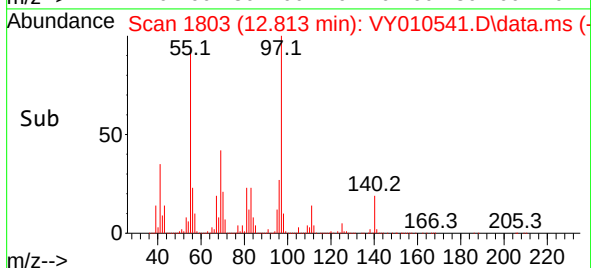
Reviewed By :Krupa Patel 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

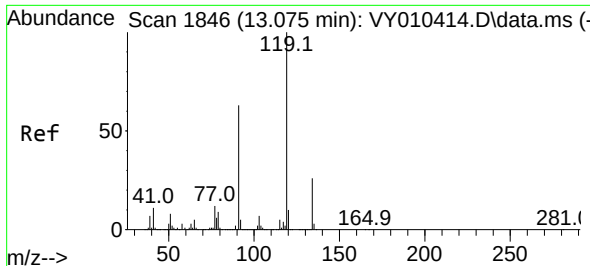


#80
1,3,5-Trimethylbenzene
Concen: 33.337 ug/l
RT: 12.813 min Scan# 1803
Delta R.T. 0.001 min
Lab File: VY010541.D
Acq: 16 Sep 2022 17:37



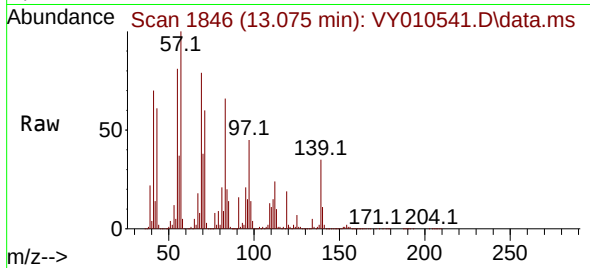
Tgt Ion:105 Resp: 96416
Ion Ratio Lower Upper
105 100
120 47.7 24.4 73.4





#83
 tert-Butylbenzene
 Concen: 45.708 ug/l
 RT: 13.075 min Scan# 1154
 Delta R.T. -0.000 min
 Lab File: VY010541.D
 Acq: 16 Sep 2022 17:37

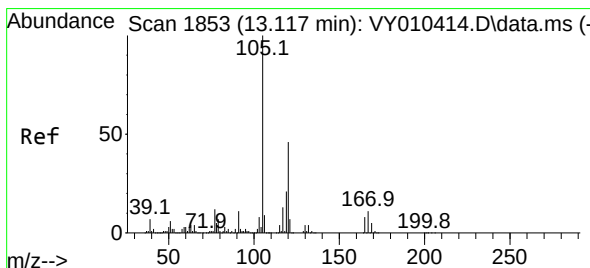
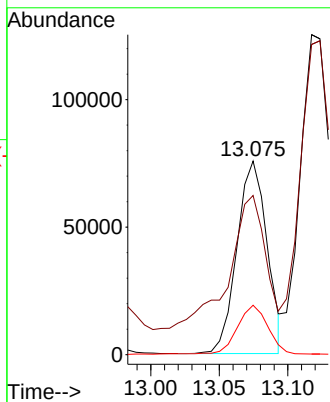
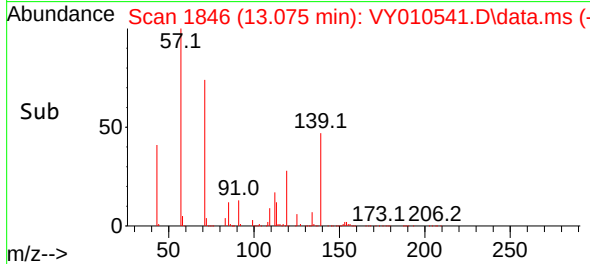
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-17-4-4



Tgt Ion:119 Resp: 115540
 Ion Ratio Lower Upper
 119 100
 91 83.9 34.8 104.4
 134 26.9 13.3 39.9

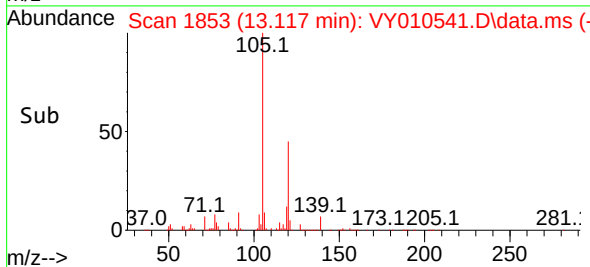
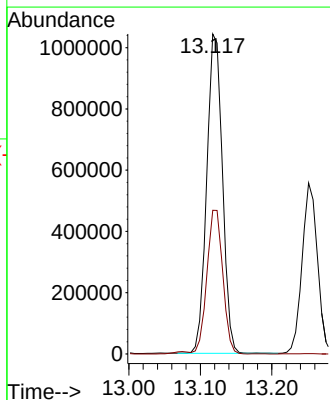
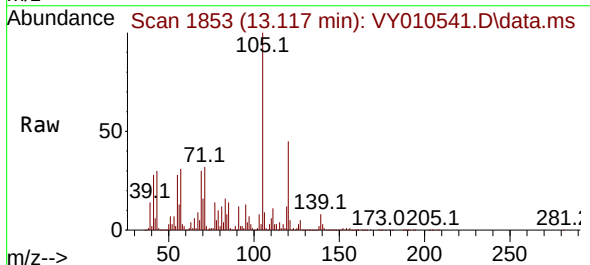
Manual Integrations
 APPROVED

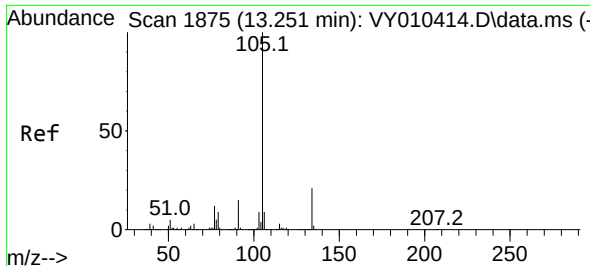
Reviewed By :Krupa Patel 09/19/2022
 Supervised By :Mahesh Dadoda 09/19/2022



#84
 1,2,4-Trimethylbenzene
 Concen: 560.971 ug/l
 RT: 13.117 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VY010541.D
 Acq: 16 Sep 2022 17:37

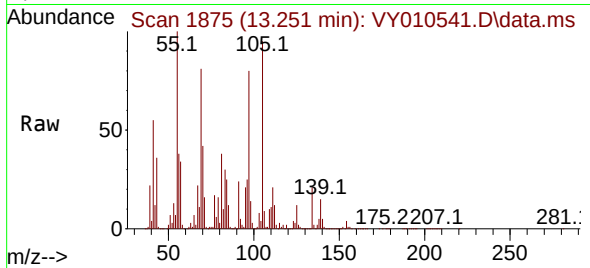
Tgt Ion:105 Resp: 1587494
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.3 66.9





#85
 sec-Butylbenzene
 Concen: 219.979 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: VY010541.D
 Acq: 16 Sep 2022 17:37

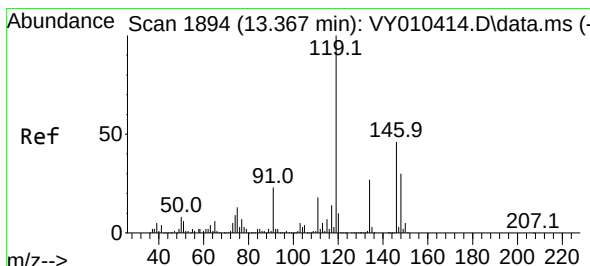
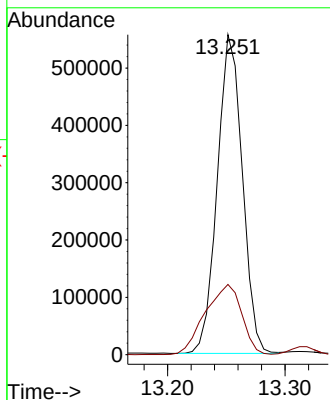
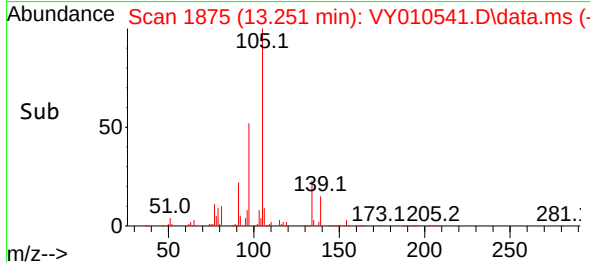
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-17-4-4



Tgt Ion:105 Resp: 823418
 Ion Ratio Lower Upper
 105 100
 134 32.1 10.2 30.4

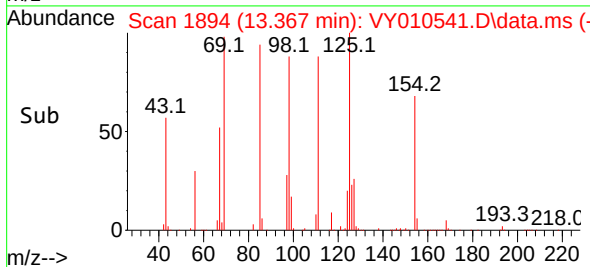
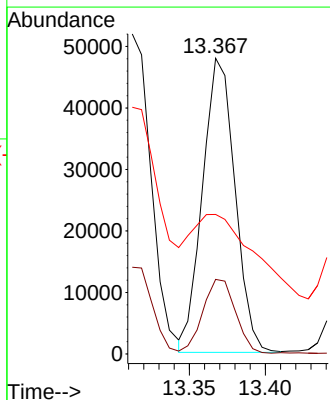
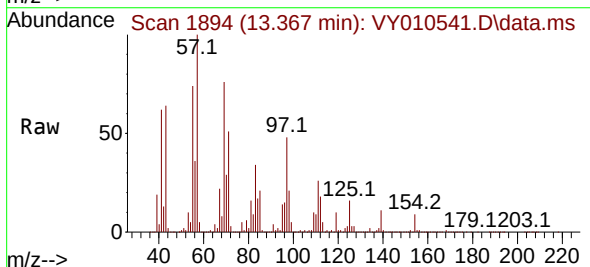
Manual Integrations
 APPROVED

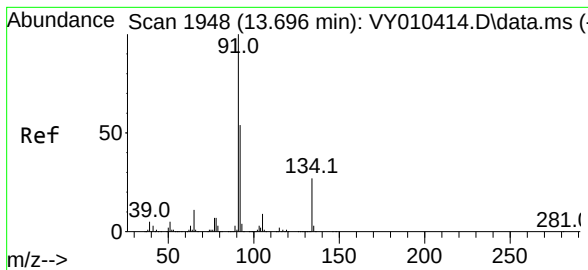
Reviewed By :Krupa Patel 09/19/2022
 Supervised By :Mahesh Dadoda 09/19/2022



#86
 p-Isopropyltoluene
 Concen: 22.447 ug/l m
 RT: 13.367 min Scan# 1894
 Delta R.T. 0.000 min
 Lab File: VY010541.D
 Acq: 16 Sep 2022 17:37

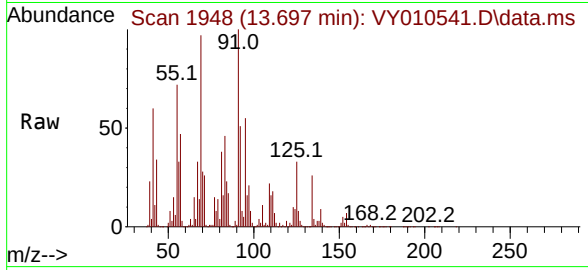
Tgt Ion:119 Resp: 71072
 Ion Ratio Lower Upper
 119 100
 134 70.1 13.2 39.5#
 91 72.2 12.4 37.2#





#89
n-Butylbenzene
Concen: 129.841 ug/l
RT: 13.697 min Scan# 1948
Delta R.T. 0.001 min
Lab File: VY010541.D
Acq: 16 Sep 2022 17:37

Instrument :
MSVOA_Y
ClientSampleId :
WC-17-4-4



Tgt Ion:	91	Resp:	37316
Ion	Ratio	Lower	Upper
91	100		
92	49.5	26.3	78.9
134	0.0	13.0	38.9

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 09/19/2022
Supervised By :Mahesh Dadoda 09/19/2022

