

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050824\
 Data File : VY018197.D
 Acq On : 08 May 2024 18:48
 Operator : SY/MD
 Sample : P2413-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-CC

Manual Integrations
 APPROVED

Reviewed By : Mahesh Dadoda 05/09/2024
 Supervised By : Semsettin Yesilyurt 05/09/2024

Quant Time: May 09 02:30:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 08 01:40:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	22764	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	31118	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	12758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	2153	12.856	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	25.720%#		
35) Dibromofluoromethane	7.710	113	5377	32.879	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	65.760%		
50) Toluene-d8	10.173	98	37270	57.832	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	115.660%		
62) 4-Bromofluorobenzene	12.477	95	3859	18.542	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	37.080%		
Target Compounds					Qvalue	
31) Cyclohexane	7.771	56	208484	666.529	ug/l #	89
39) Methylcyclohexane	9.179	83	419700	1240.894	ug/l	99
40) Benzene	8.155	78	8443	11.196	ug/l	98
52) Toluene	10.246	92	3273	6.742	ug/l	82
67) Ethyl Benzene	11.587	91	105172	239.723	ug/l	94
68) m/p-Xylenes	11.697	106	5030	28.992	ug/l	90
69) o-Xylene	12.020	106	1343	8.066	ug/l	76
73) Isopropylbenzene	12.325	105	105509	780.066	ug/l	97
78) n-propylbenzene	12.666	91	358689	2279.955	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	50313	471.741	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	26514	253.784	ug/l	97
85) sec-Butylbenzene	13.251	105	18971	131.469	ug/l #	51
86) p-Isopropyltoluene	13.367	119	3843m	32.373	ug/l	
89) n-Butylbenzene	13.690	91	17365m	161.635	ug/l	

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

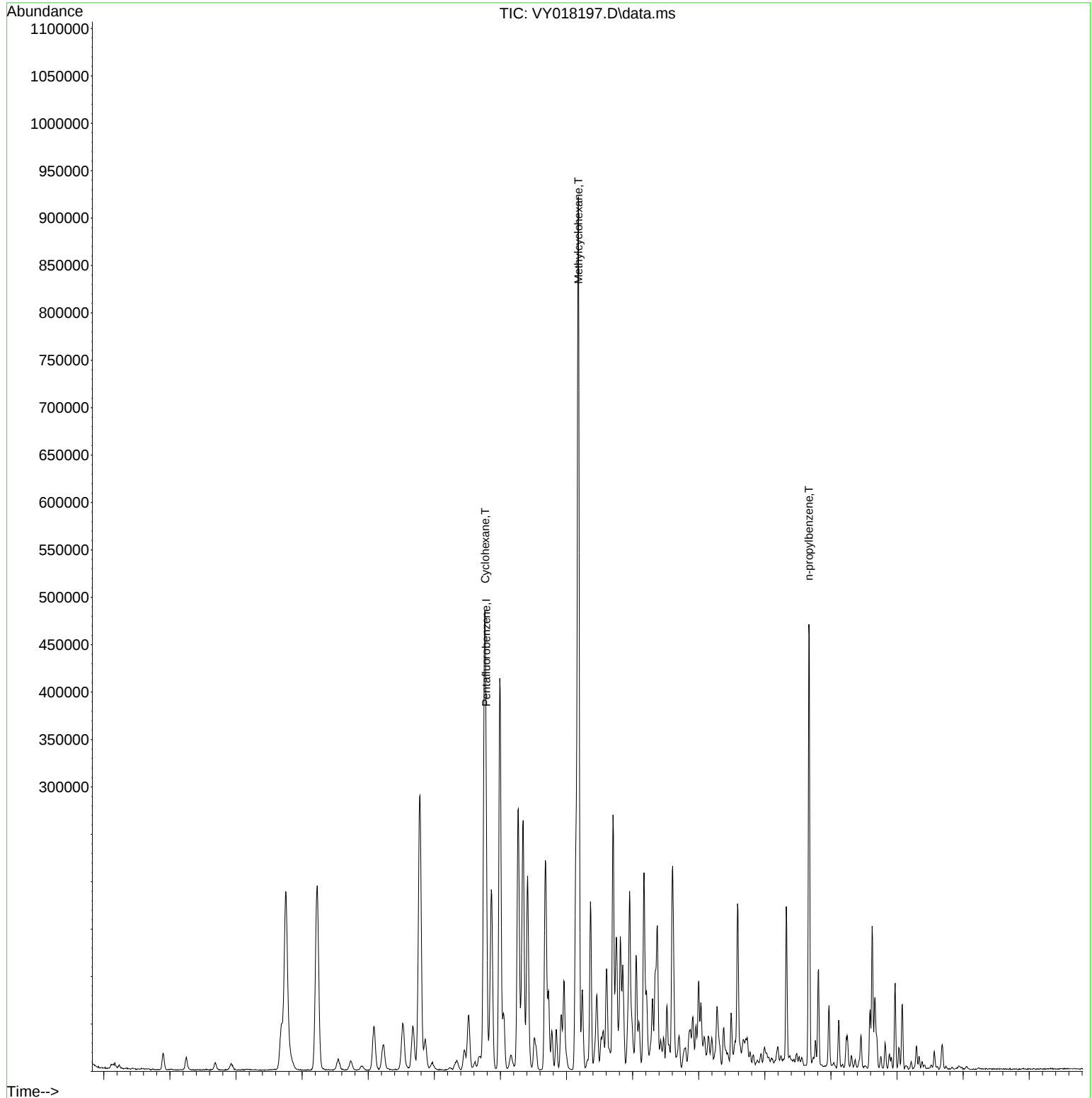
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050824\
Data File : VY018197.D
Acq On : 08 May 2024 18:48
Operator : SY/MD
Sample : P2413-01
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 21 Sample Multiplier: 1

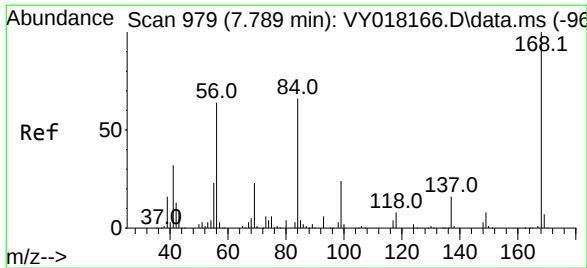
Instrument :
MSVOA_Y
ClientSampleId :
WC-CC

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/09/2024
Supervised By :Semsettin Yesilyurt 05/09/2024

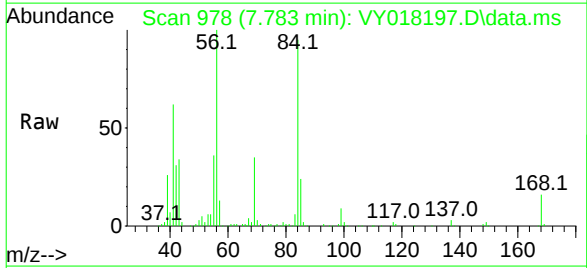
Quant Time: May 09 02:30:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050724S.M
Quant Title : SW846 8260
QLast Update : Wed May 08 01:40:14 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 97
Delta R.T. -0.006 min
Lab File: VY018197.D
Acq: 08 May 2024 18:48

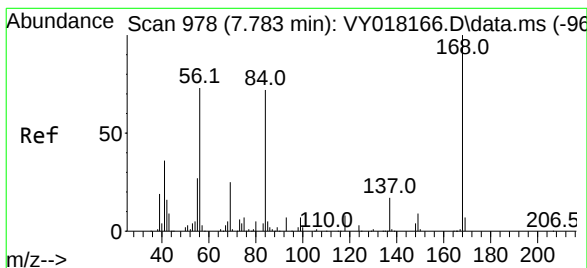
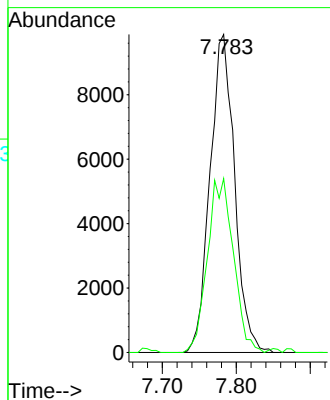
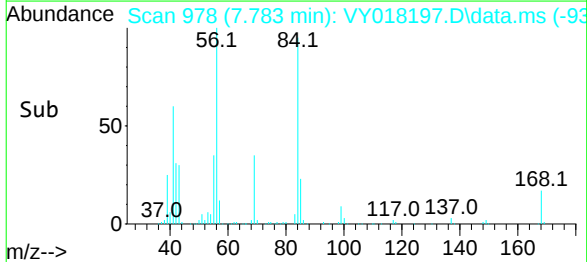
Instrument :
MSVOA_Y
ClientSampleId :
WC-CC



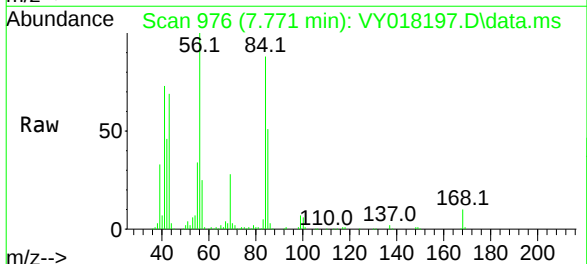
Tgt Ion:168 Resp: 22764
Ion Ratio Lower Upper
168 100
99 54.7 39.1 58.7

Manual Integrations
APPROVED

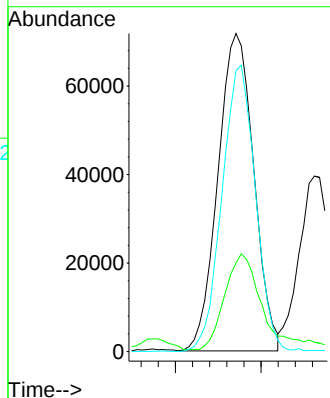
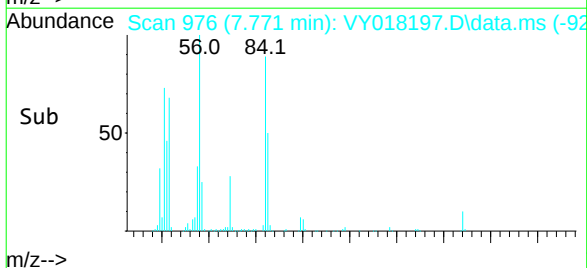
Reviewed By :Mahesh Dadoda 05/09/2024
Supervised By :Semsettin Yesilyurt 05/09/2024

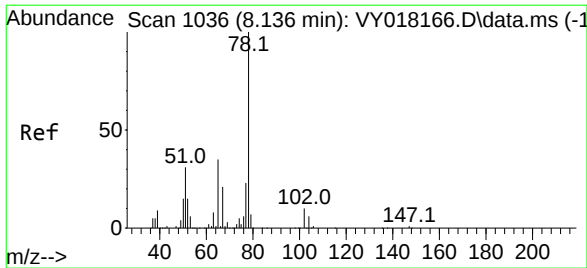


#31
Cyclohexane
Concen: 666.529 ug/l
RT: 7.771 min Scan# 976
Delta R.T. -0.012 min
Lab File: VY018197.D
Acq: 08 May 2024 18:48



Tgt Ion: 56 Resp: 208484
Ion Ratio Lower Upper
56 100
69 26.2 28.7 43.1#
84 88.5 77.7 116.5





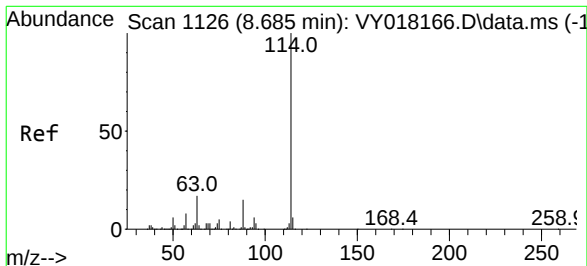
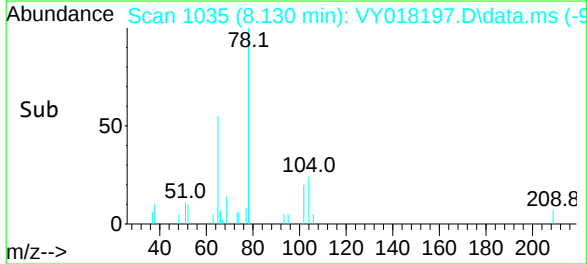
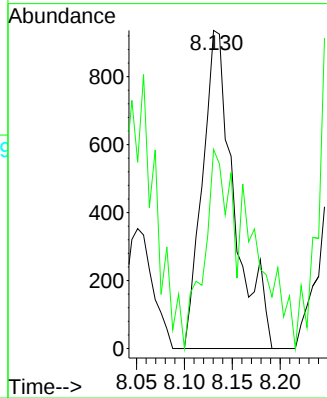
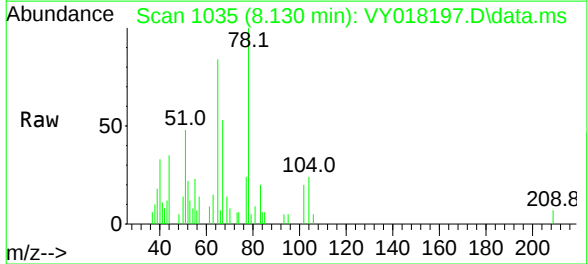
#33
1,2-Dichloroethane-d4
Concen: 12.856 ug/l
RT: 8.130 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY018197.D
Acq: 08 May 2024 18:48

Instrument :
MSVOA_Y
ClientSampleId :
WC-CC

Tgt Ion: 65 Resp: 2153
Ion Ratio Lower Upper
65 100
67 53.1 0.0 109.6

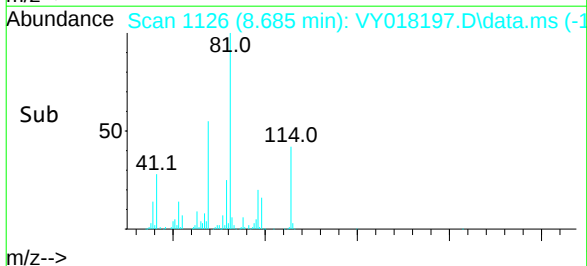
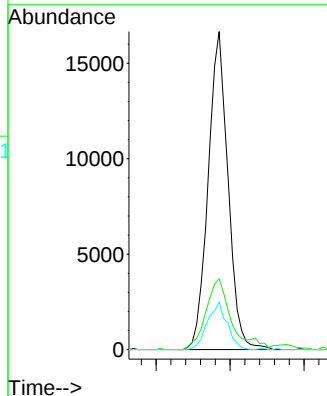
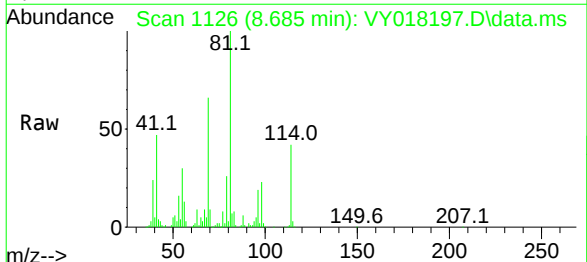
Manual Integrations
APPROVED

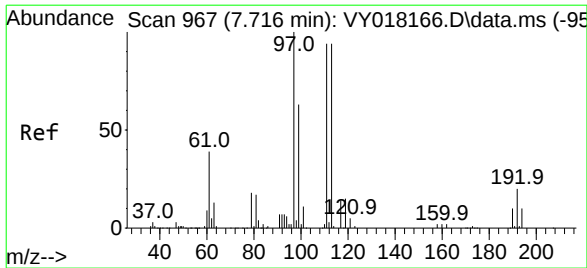
Reviewed By :Mahesh Dadoda 05/09/2024
Supervised By :Semsettin Yesilyurt 05/09/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY018197.D
Acq: 08 May 2024 18:48

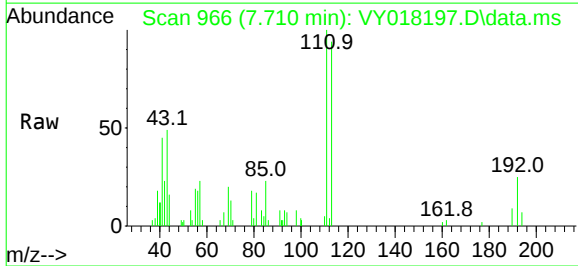
Tgt Ion:114 Resp: 31118
Ion Ratio Lower Upper
114 100
63 22.2 0.0 35.0
88 14.9 0.0 27.2





#35
Dibromofluoromethane
Concen: 32.879 ug/l
RT: 7.710 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY018197.D
Acq: 08 May 2024 18:48

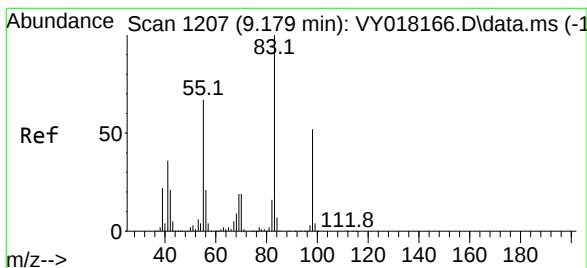
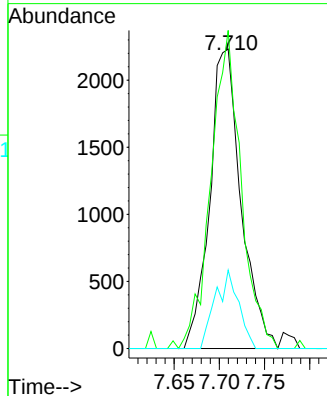
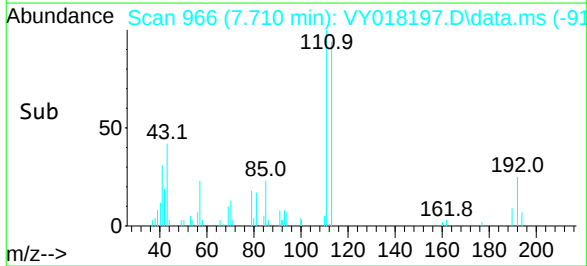
Instrument :
MSVOA_Y
ClientSampleId :
WC-CC



Tgt Ion:	113	Resp:	5377
Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.2	123.4
192	19.5	15.9	23.9

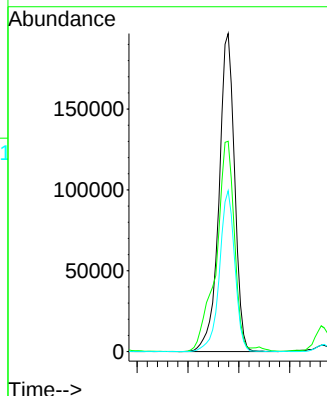
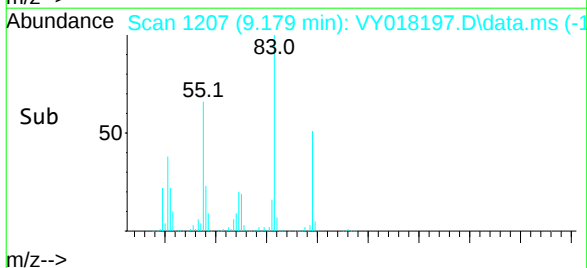
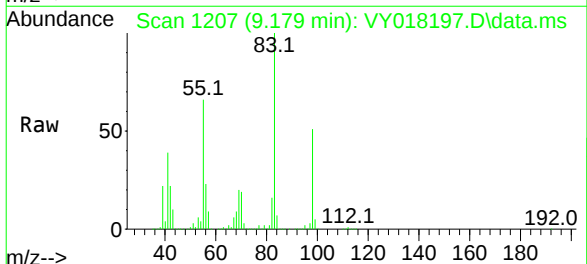
Manual Integrations
APPROVED

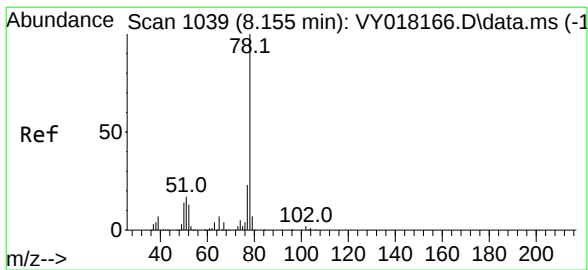
Reviewed By :Mahesh Dadoda 05/09/2024
Supervised By :Semsettin Yesilyurt 05/09/2024



#39
Methylcyclohexane
Concen: 1240.894 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. 0.000 min
Lab File: VY018197.D
Acq: 08 May 2024 18:48

Tgt Ion:	83	Resp:	419700
Ion	Ratio	Lower	Upper
83	100		
55	66.1	51.5	77.3
98	50.6	40.5	60.7





#40

Benzene

Concen: 11.196 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. 0.000 min

Lab File: VY018197.D

Acq: 08 May 2024 18:48

Tgt Ion: 78 Resp: 8443

Ion Ratio Lower Upper

78 100

77 25.3 19.5 29.3

Instrument :

MSVOA_Y

ClientSampleId :

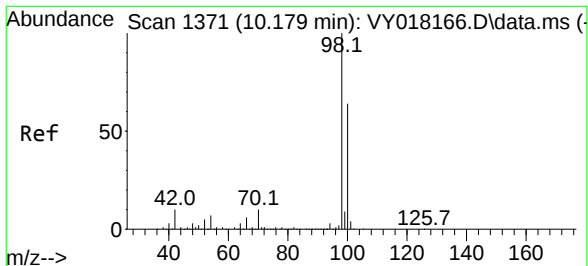
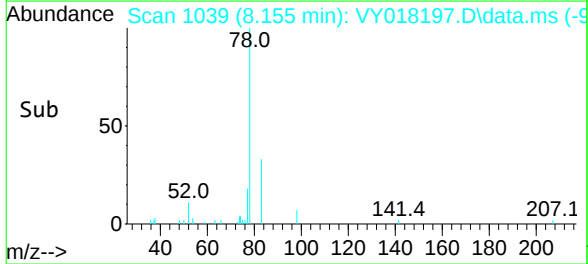
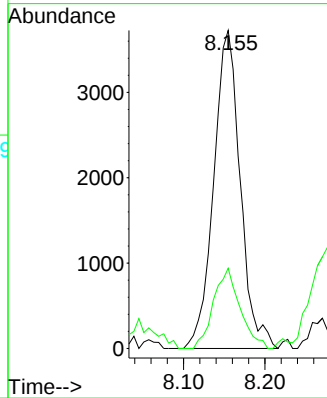
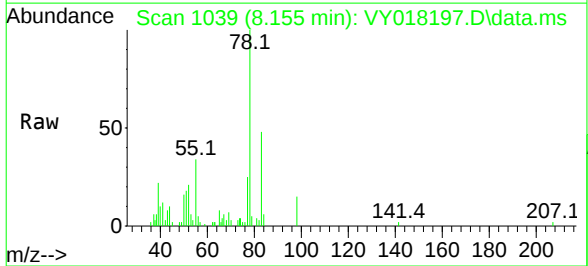
WC-CC

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/09/2024

Supervised By :Semsettin Yesilyurt 05/09/2024



#50

Toluene-d8

Concen: 57.832 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. -0.006 min

Lab File: VY018197.D

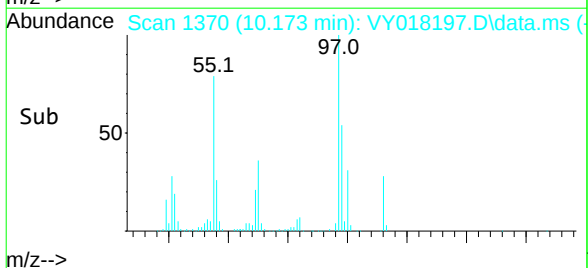
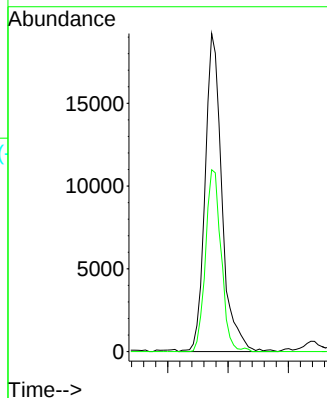
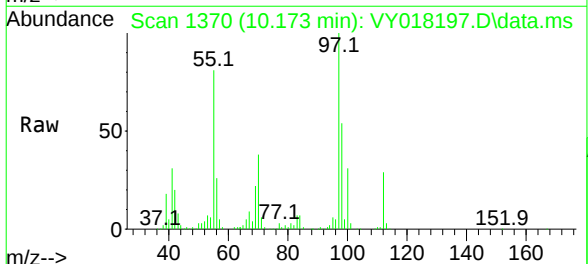
Acq: 08 May 2024 18:48

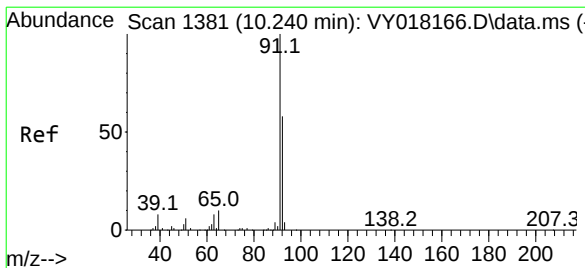
Tgt Ion: 98 Resp: 37270

Ion Ratio Lower Upper

98 100

100 53.0 52.0 78.0





#52

Toluene

Concen: 6.742 ug/l

RT: 10.246 min Scan# 13

Delta R.T. 0.006 min

Lab File: VY018197.D

Acq: 08 May 2024 18:48

Instrument :

MSVOA_Y

ClientSampleId :

WC-CC

Tgt Ion: 92 Resp: 3273

Ion Ratio Lower Upper

92 100

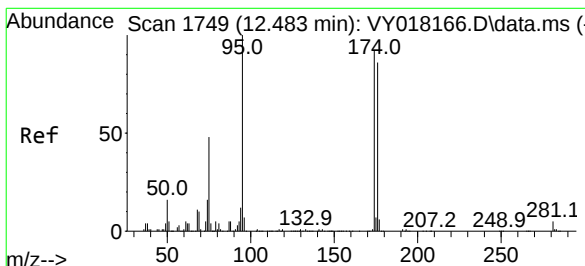
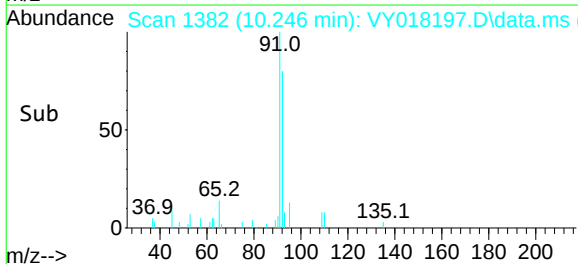
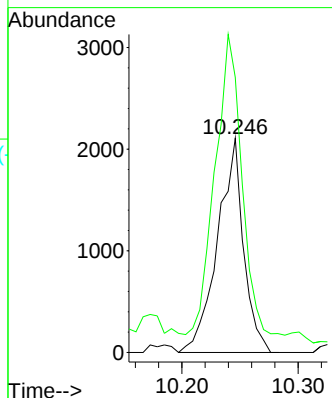
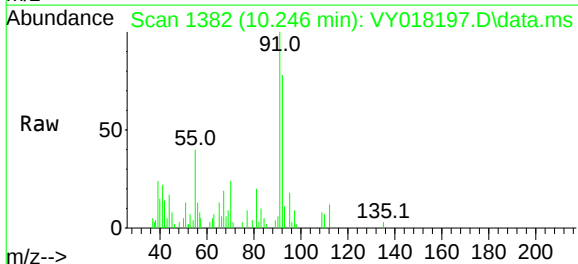
91 148.3 139.0 208.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/09/2024

Supervised By :Semsettin Yesilyurt 05/09/2024



#62

4-Bromofluorobenzene

Concen: 18.542 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY018197.D

Acq: 08 May 2024 18:48

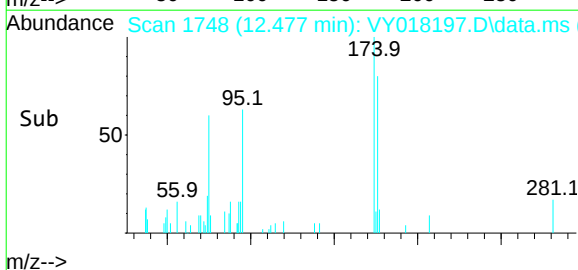
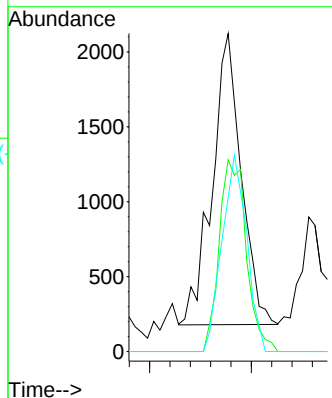
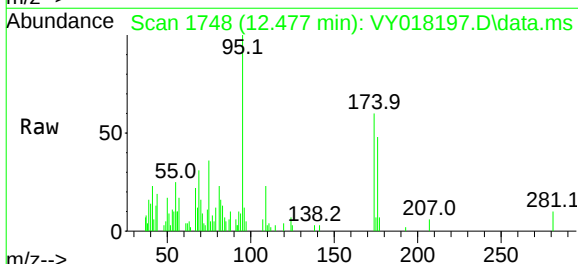
Tgt Ion: 95 Resp: 3859

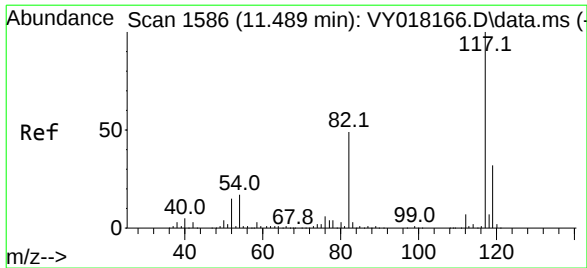
Ion Ratio Lower Upper

95 100

174 61.2 0.0 175.6

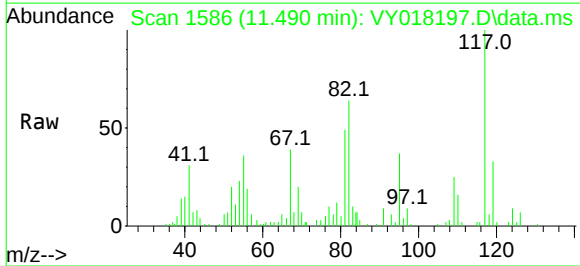
176 57.3 0.0 171.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY018197.D
Acq: 08 May 2024 18:48

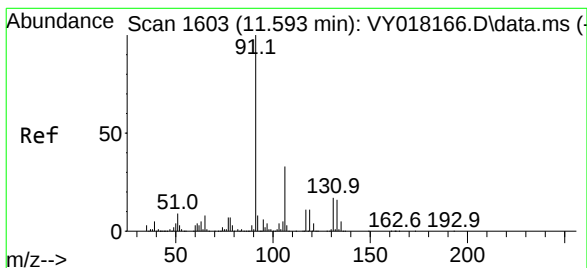
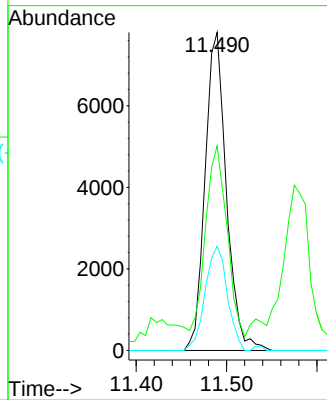
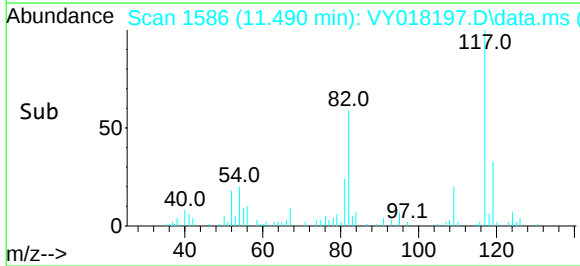
Instrument :
MSVOA_Y
ClientSampleId :
WC-CC



Tgt Ion:117 Resp: 12758
Ion Ratio Lower Upper
117 100
82 56.5 42.4 63.6
119 32.8 25.9 38.9

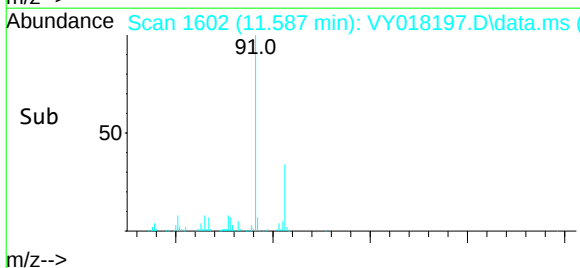
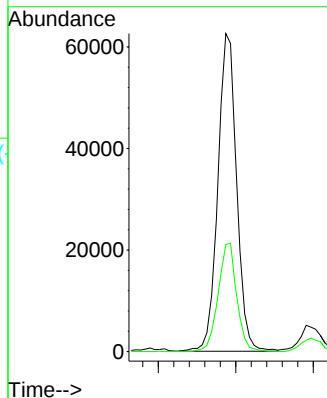
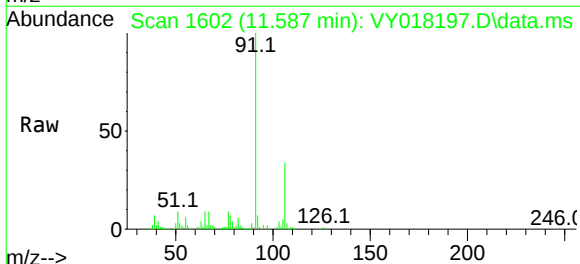
Manual Integrations
APPROVED

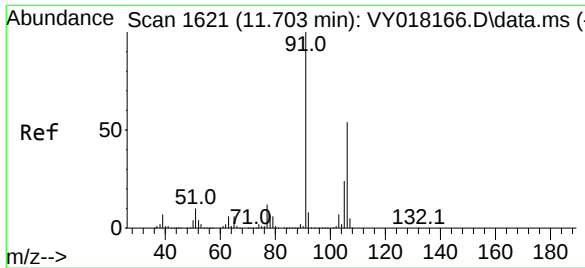
Reviewed By :Mahesh Dadoda 05/09/2024
Supervised By :Semsettin Yesilyurt 05/09/2024



#67
Ethyl Benzene
Concen: 239.723 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. -0.006 min
Lab File: VY018197.D
Acq: 08 May 2024 18:48

Tgt Ion: 91 Resp: 105172
Ion Ratio Lower Upper
91 100
106 33.7 24.5 36.7





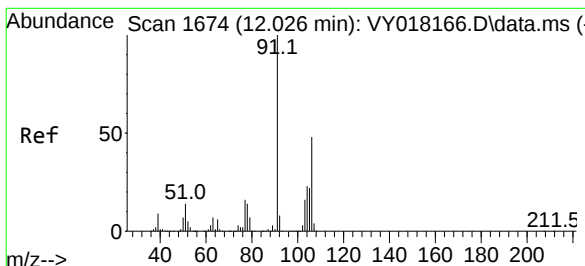
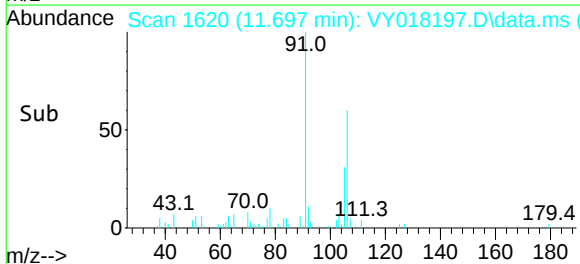
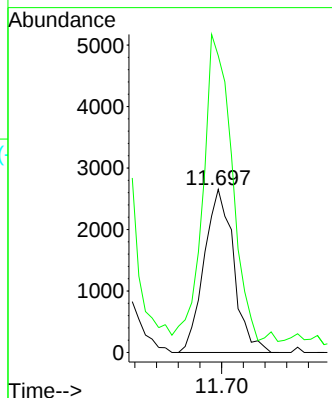
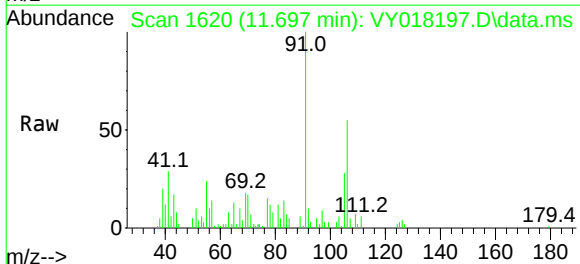
#68
m/p-Xylenes
Concen: 28.992 ug/l
RT: 11.697 min Scan# 1619
Delta R.T. -0.006 min
Lab File: VY018197.D
Acq: 08 May 2024 18:48

Instrument :
MSVOA_Y
ClientSampleId :
WC-CC

Tgt Ion:106 Resp: 5030
Ion Ratio Lower Upper
106 100
91 180.3 156.0 234.0

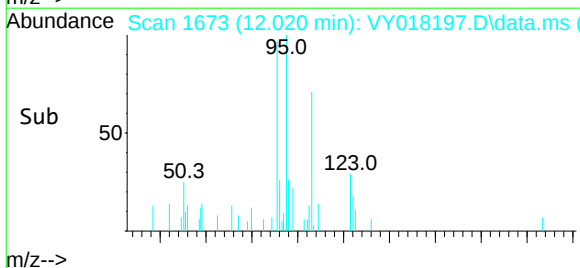
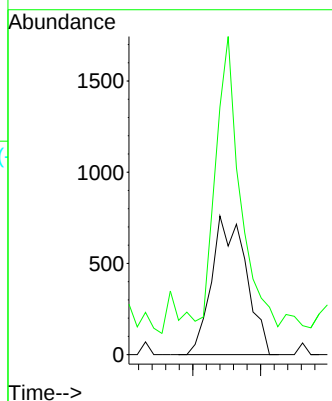
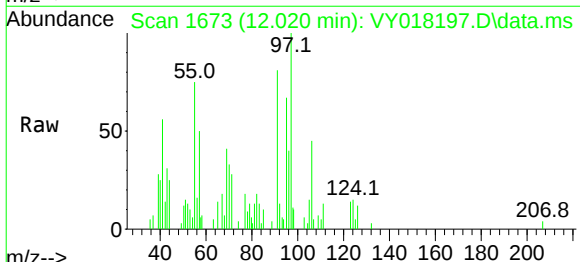
Manual Integrations
APPROVED

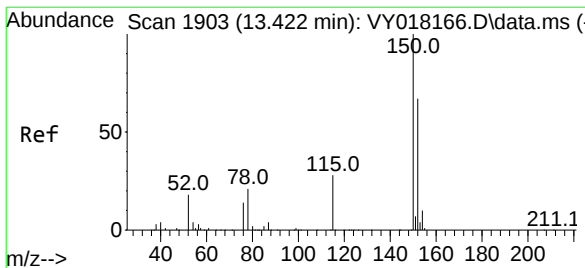
Reviewed By :Mahesh Dadoda 05/09/2024
Supervised By :Semsettin Yesilyurt 05/09/2024



#69
o-Xylene
Concen: 8.066 ug/l
RT: 12.020 min Scan# 1673
Delta R.T. -0.006 min
Lab File: VY018197.D
Acq: 08 May 2024 18:48

Tgt Ion:106 Resp: 1343
Ion Ratio Lower Upper
106 100
91 170.3 103.6 310.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY018197.D

Acq: 08 May 2024 18:48

Instrument :

MSVOA_Y

ClientSampleId :

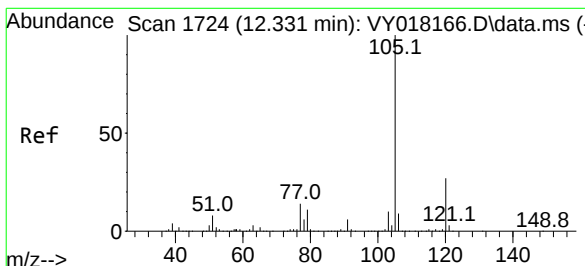
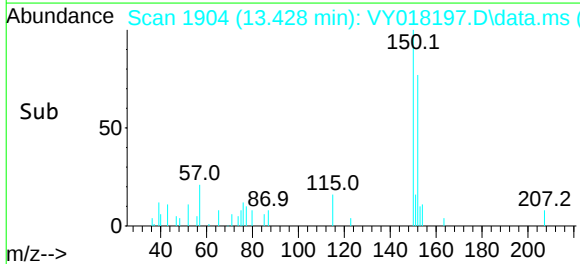
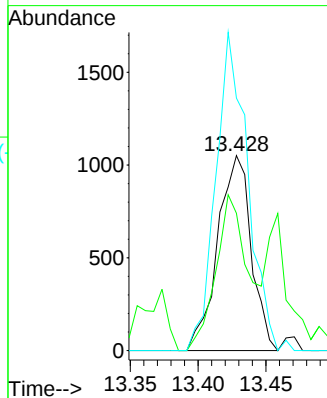
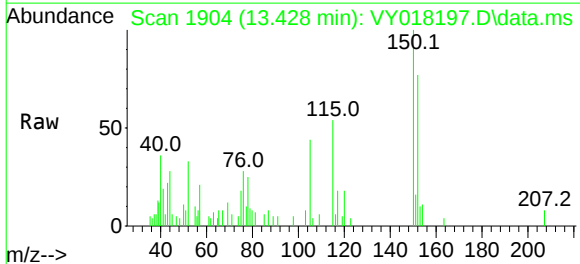
WC-CC

Tgt Ion:	152	Resp:	1804
Ion Ratio	Lower	Upper	
152	100		
115	77.5	28.2	84.7
150	155.9	0.0	345.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/09/2024
Supervised By :Semsettin Yesilyurt 05/09/2024



#73

Isopropylbenzene

Concen: 780.066 ug/l

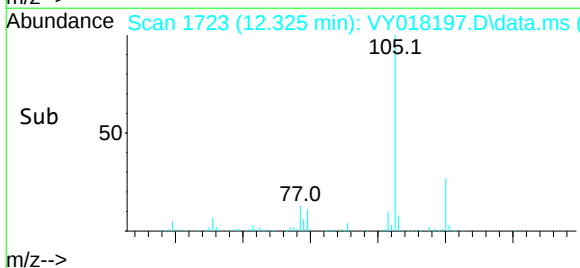
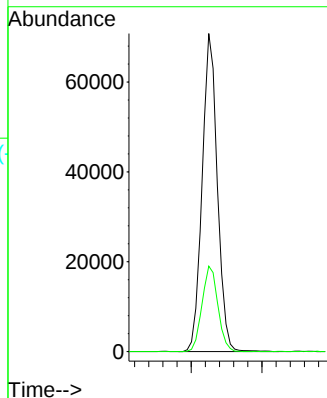
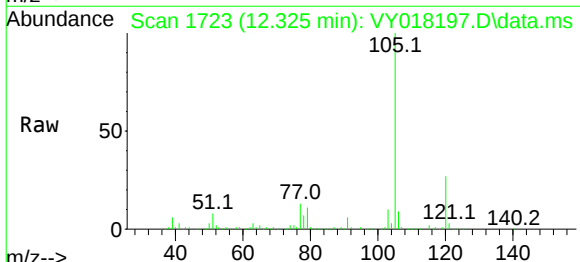
RT: 12.325 min Scan# 1723

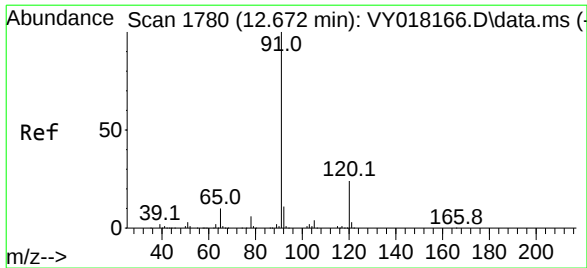
Delta R.T. -0.006 min

Lab File: VY018197.D

Acq: 08 May 2024 18:48

Tgt Ion:	105	Resp:	105509
Ion Ratio	Lower	Upper	
105	100		
120	28.0	13.4	40.1





#78

n-propylbenzene

Concen: 2279.955 ug/l

RT: 12.666 min Scan# 1779

Delta R.T. -0.006 min

Lab File: VY018197.D

Acq: 08 May 2024 18:48

Instrument :

MSVOA_Y

ClientSampleId :

WC-CC

Tgt Ion: 91 Resp: 358689

Ion Ratio Lower Upper

91 100

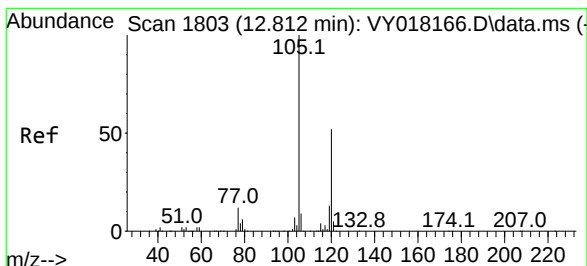
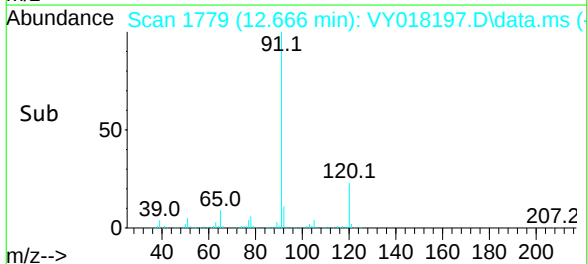
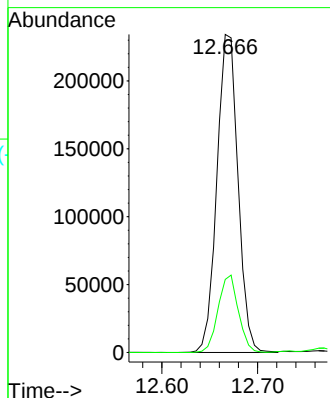
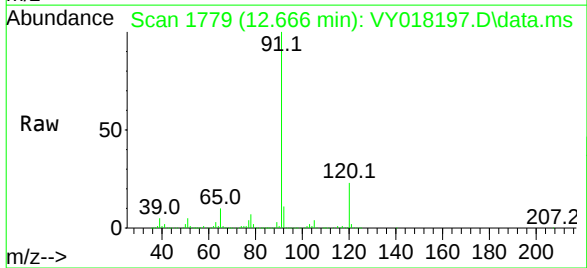
120 23.4 11.5 34.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/09/2024

Supervised By :Semsettin Yesilyurt 05/09/2024



#80

1,3,5-Trimethylbenzene

Concen: 471.741 ug/l

RT: 12.813 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY018197.D

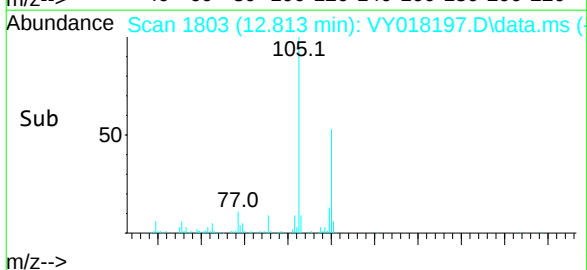
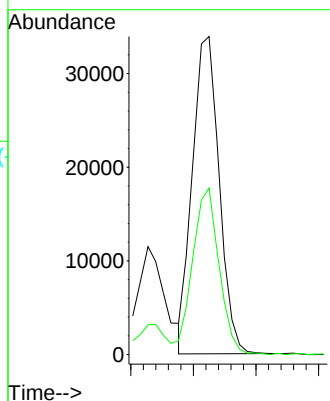
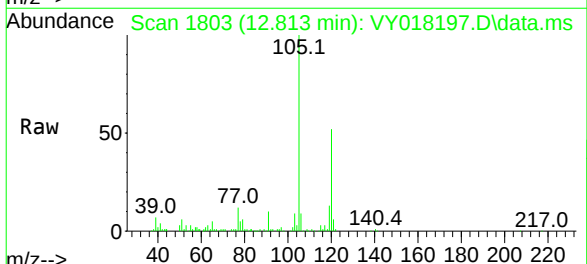
Acq: 08 May 2024 18:48

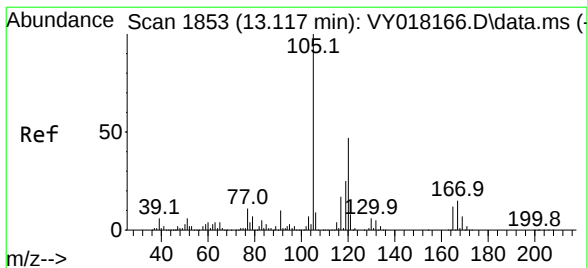
Tgt Ion:105 Resp: 50313

Ion Ratio Lower Upper

105 100

120 52.3 25.1 75.2





#84

1,2,4-Trimethylbenzene

Concen: 253.784 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY018197.D

Acq: 08 May 2024 18:48

Instrument :

MSVOA_Y

ClientSampleId :

WC-CC

Tgt Ion:105 Resp: 26514

Ion Ratio Lower Upper

105 100

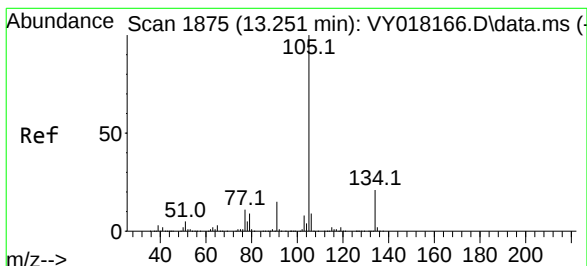
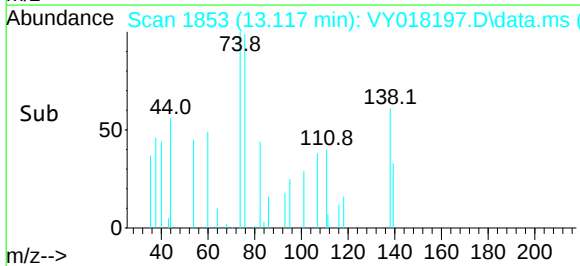
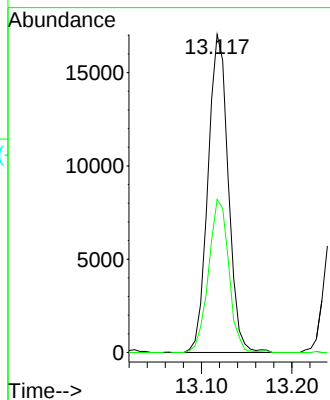
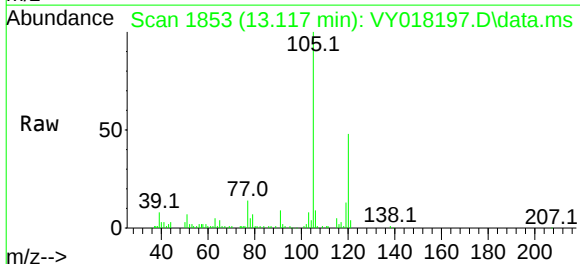
120 48.2 23.2 69.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/09/2024

Supervised By :Semsettin Yesilyurt 05/09/2024



#85

sec-Butylbenzene

Concen: 131.469 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY018197.D

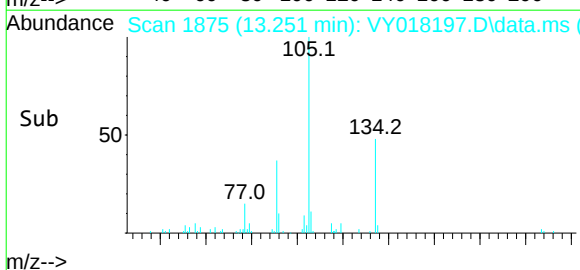
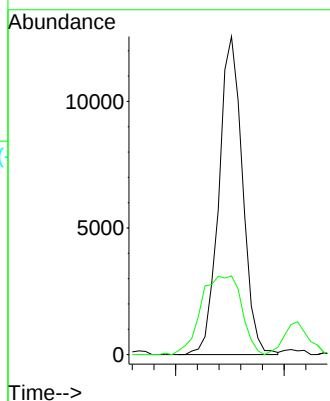
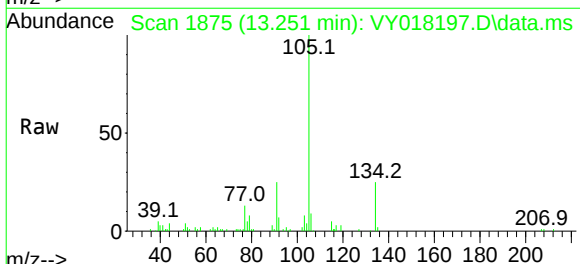
Acq: 08 May 2024 18:48

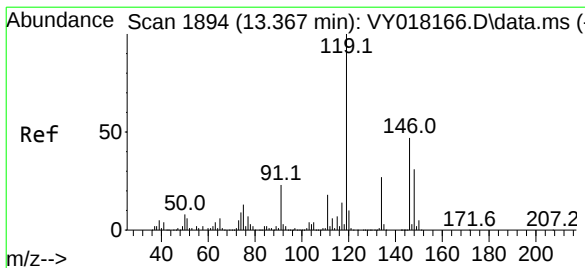
Tgt Ion:105 Resp: 18971

Ion Ratio Lower Upper

105 100

134 42.5 10.1 30.1#





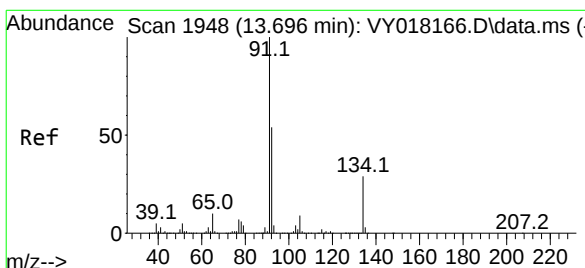
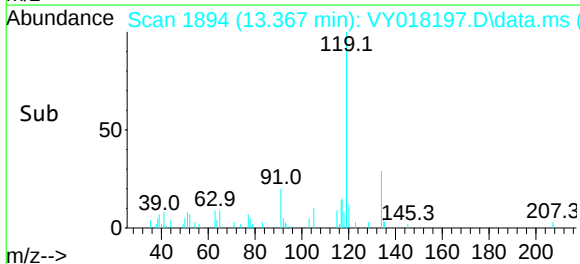
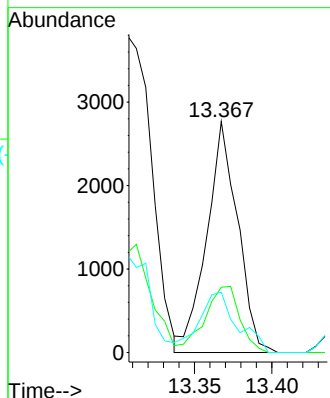
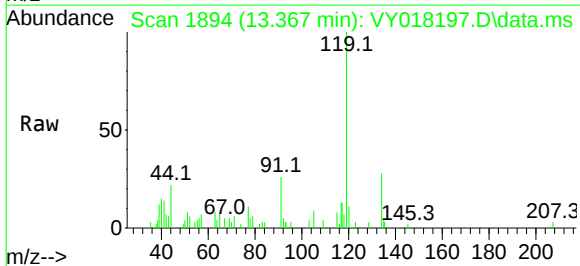
#86
p-Isopropyltoluene
Concen: 32.373 ug/l m
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY018197.D
Acq: 08 May 2024 18:48

Instrument :
MSVOA_Y
ClientSampleId :
WC-CC

Tgt Ion	Ratio	Lower	Upper
119	100		
134	53.5	13.1	39.3#
91	40.9	10.7	32.1#

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/09/2024
Supervised By :Semsettin Yesilyurt 05/09/2024



#89
n-Butylbenzene
Concen: 161.635 ug/l m
RT: 13.690 min Scan# 1947
Delta R.T. -0.006 min
Lab File: VY018197.D
Acq: 08 May 2024 18:48

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.9	26.6	79.7
134	0.0	12.9	38.7#

