

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092424\
 Data File : VY019684.D
 Acq On : 24 Sep 2024 15:55
 Operator : SY/MD
 Sample : P4144-06
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 2-SBG

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/25/2024
 Supervised By :Semsettin Yesilyurt 09/25/2024

Quant Time: Sep 25 08:30:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	243099	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	417282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	283938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	71415	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	138472	61.515	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery	= 123.020%		
35) Dibromofluoromethane	7.628	113	132919	56.181	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery	= 112.360%		
50) Toluene-d8	10.109	98	489136	55.895	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery	= 111.800%		
62) 4-Bromofluorobenzene	12.407	95	113946	33.864	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery	= 67.720%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.848	59	55243	303.884	ug/l	# 76
16) Acetone	3.866	43	278436	519.201	ug/l	# 84
17) Carbon Disulfide	4.104	76	46558	7.990	ug/l	96
31) Cyclohexane	7.701	56	517188	128.378	ug/l	92
39) Methylcyclohexane	9.109	83	942447	219.980	ug/l	93
40) Benzene	8.067	78	28915733m	2916.159	ug/l	
51) 4-Methyl-2-Pentanone	9.999	43	40778	23.389	ug/l	99
52) Toluene	10.164	92	22534528m	3533.604	ug/l	
67) Ethyl Benzene	11.517	91	9964168	1004.045	ug/l	93
68) m/p-Xylenes	11.615	106	22310640m	5945.540	ug/l	
69) o-Xylene	11.950	106	18311905	4989.839	ug/l	# 1
70) Styrene	11.975	104	11234923	1813.244	ug/l	# 64
73) Isopropylbenzene	12.255	105	942869	181.988	ug/l	100
78) n-propylbenzene	12.596	91	2229240	363.020	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	14947481	3548.883	ug/l	86
84) 1,2,4-Trimethylbenzene	13.035	105	19343198m	4639.547	ug/l	
85) sec-Butylbenzene	13.176	105	214039m	38.641	ug/l	
86) p-Isopropyltoluene	13.291	119	312752m	69.010	ug/l	
89) n-Butylbenzene	13.621	91	200960	46.384	ug/l	# 51
95) Naphthalene	15.133	128	32092776m	13224.528	ug/l	

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

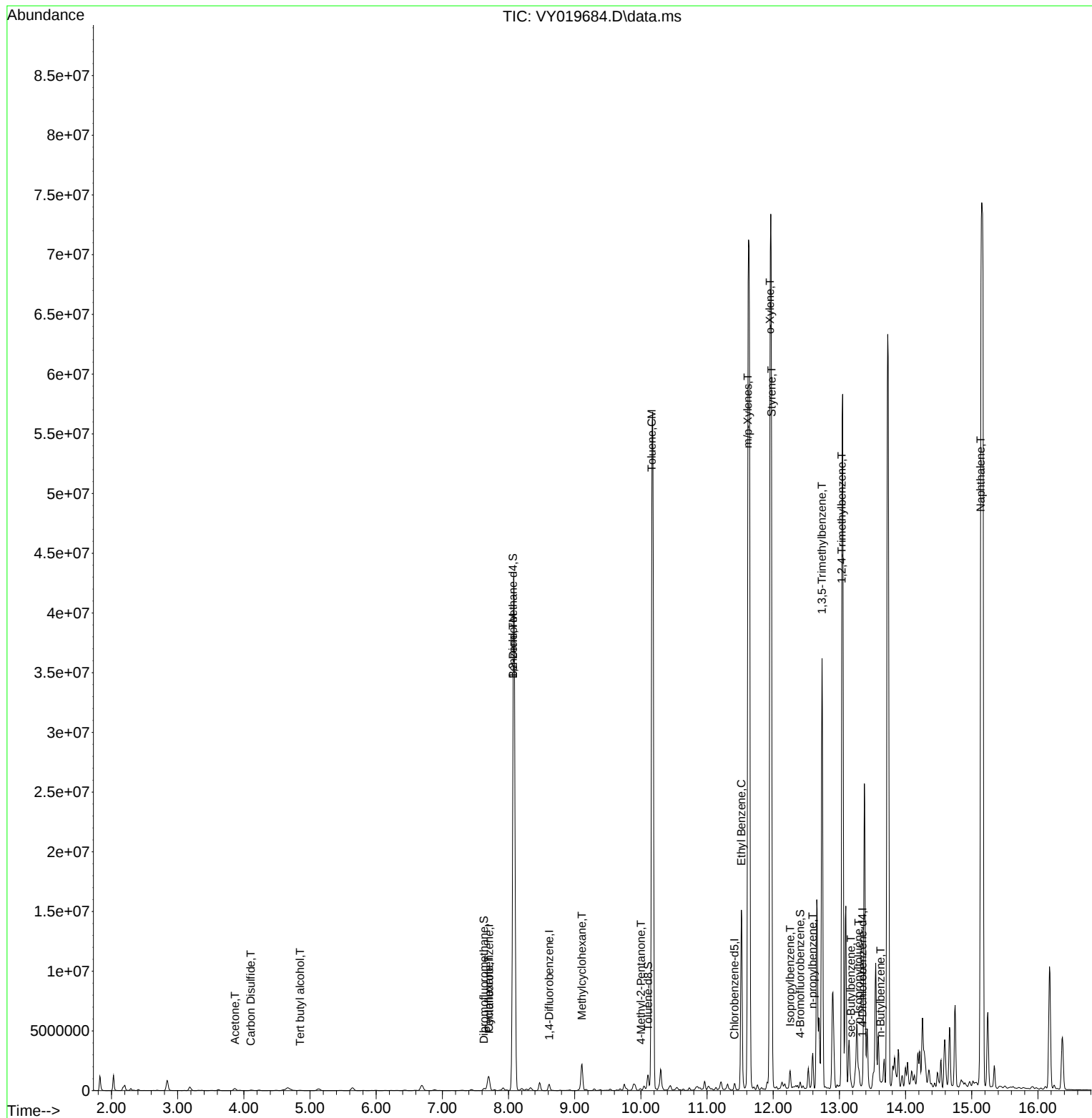
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092424\
Data File : VY019684.D
Acq On : 24 Sep 2024 15:55
Operator : SY/MD
Sample : P4144-06
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

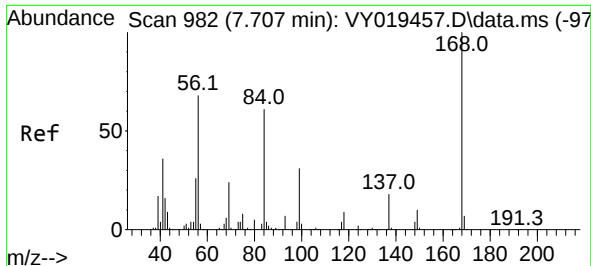
Instrument :
MSVOA_Y
ClientSampleId :
2-SBG

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Reviewed By : Mahesh Dadoda 09/25/2024
Supervised By : Semsettin Yesilyurt 09/25/2024

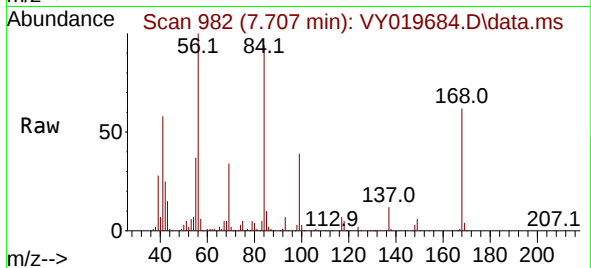
Quant Time: Sep 25 08:30:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019684.D
Acq: 24 Sep 2024 15:55

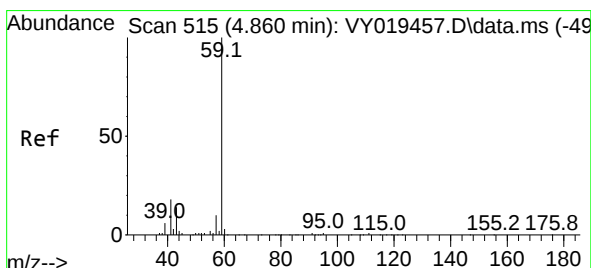
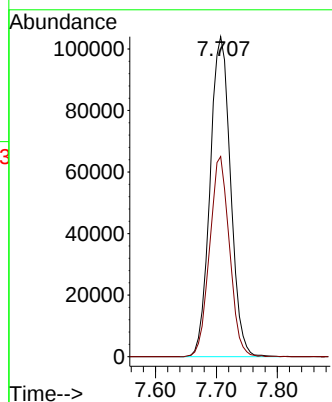
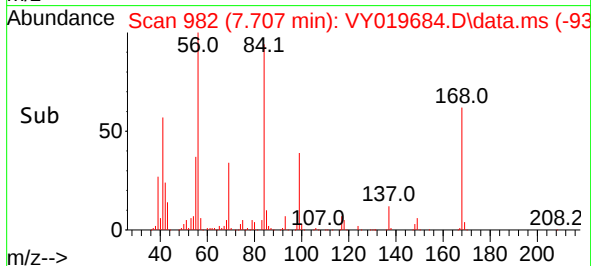
Instrument :
MSVOA_Y
ClientSampleId :
2-SBG



Tgt Ion:168 Resp: 243099
Ion Ratio Lower Upper
168 100
99 62.6 39.1 58.7

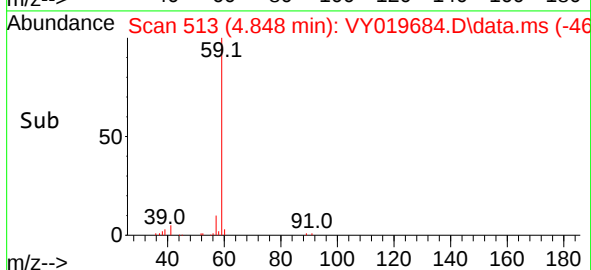
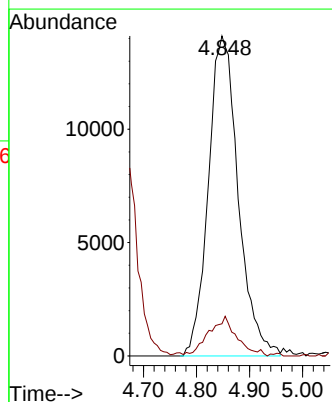
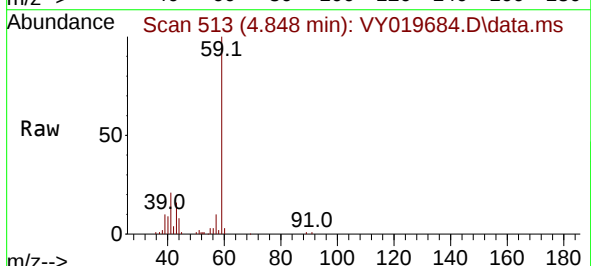
Manual Integrations
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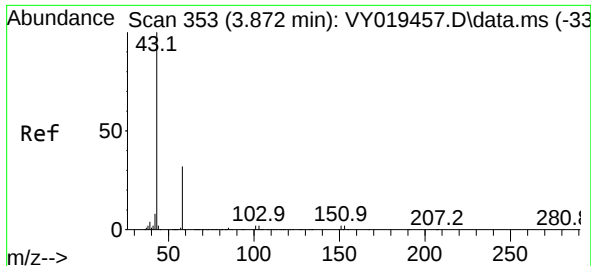
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024



#11
Tert butyl alcohol
Concen: 303.884 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY019684.D
Acq: 24 Sep 2024 15:55

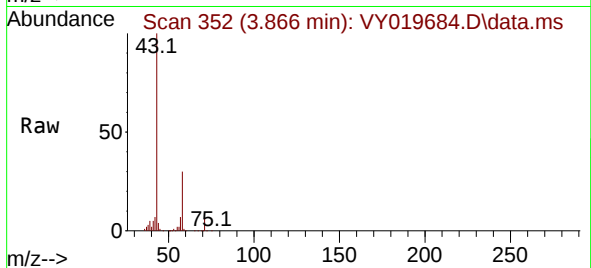
Tgt Ion: 59 Resp: 55243
Ion Ratio Lower Upper
59 100
57 11.6 3.0 4.6





#16
Acetone
Concen: 519.201 ug/l
RT: 3.866 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY019684.D
Acq: 24 Sep 2024 15:55

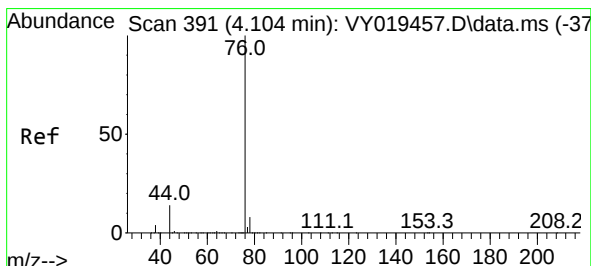
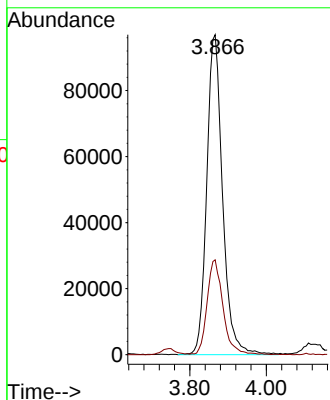
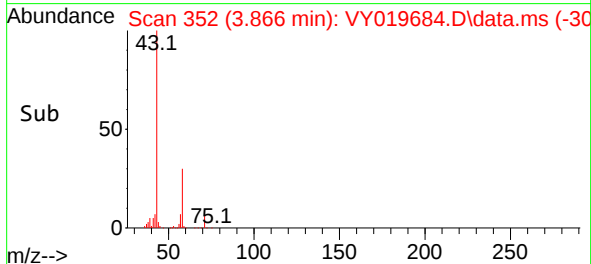
Instrument :
MSVOA_Y
ClientSampleId :
2-SBG



Tgt Ion: 43 Resp: 278430
Ion Ratio Lower Upper
43 100
58 29.6 31.7 47.5

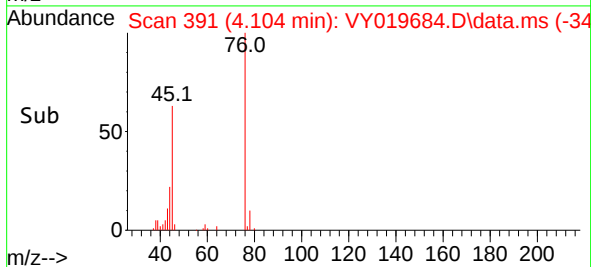
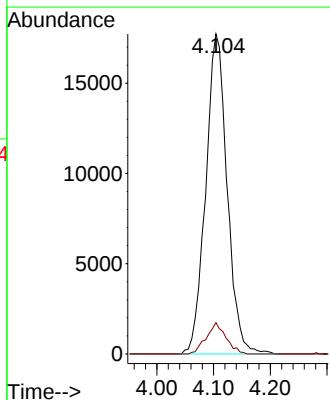
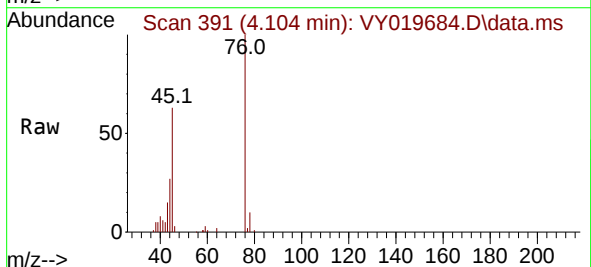
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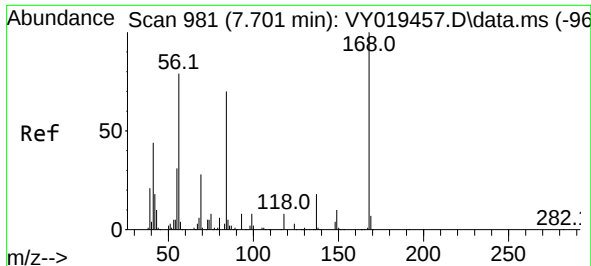
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024



#17
Carbon Disulfide
Concen: 7.990 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY019684.D
Acq: 24 Sep 2024 15:55

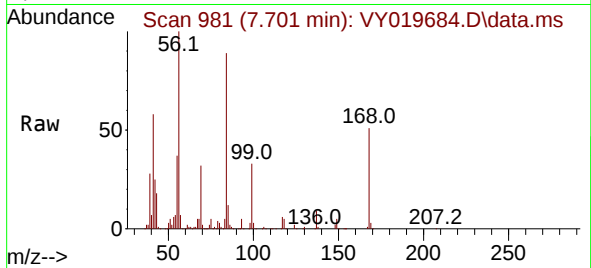
Tgt Ion: 76 Resp: 46558
Ion Ratio Lower Upper
76 100
78 9.8 6.8 10.2





#31
Cyclohexane
Concen: 128.378 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY019684.D
Acq: 24 Sep 2024 15:55

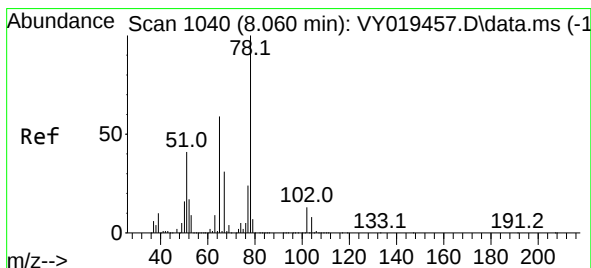
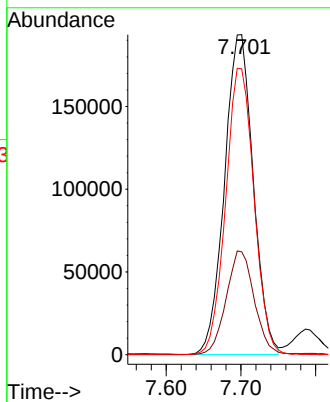
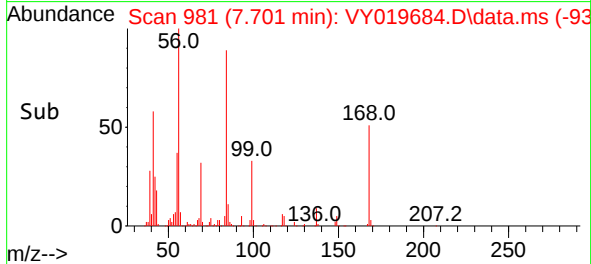
Instrument :
MSVOA_Y
Client SampleId :
2-SBG



Tgt Ion: 56 Resp: 51718
Ion Ratio Lower Upper
56 100
69 32.0 28.7 43.1
84 89.4 77.7 116.5

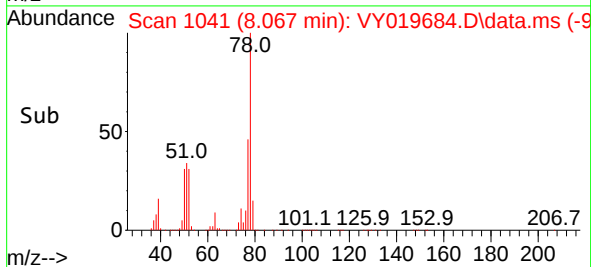
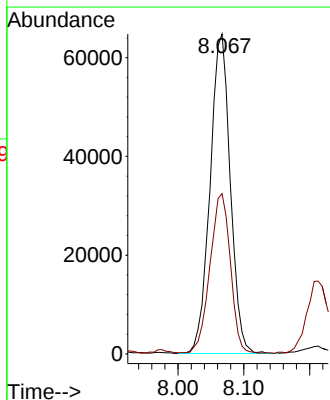
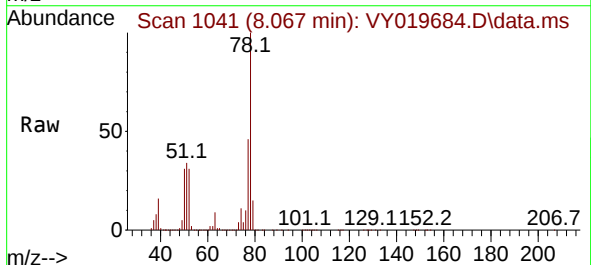
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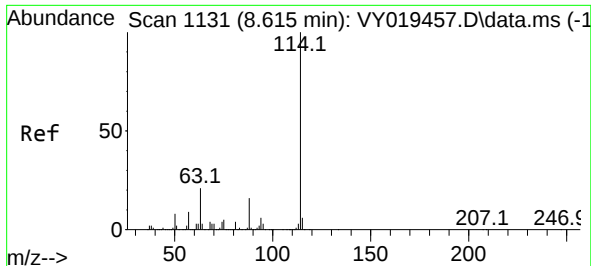
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024



#33
1,2-Dichloroethane-d4
Concen: 61.515 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY019684.D
Acq: 24 Sep 2024 15:55

Tgt Ion: 65 Resp: 138472
Ion Ratio Lower Upper
65 100
67 50.1 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019684.D

Acq: 24 Sep 2024 15:55

Instrument :

MSVOA_Y

ClientSampleId :

2-SBG

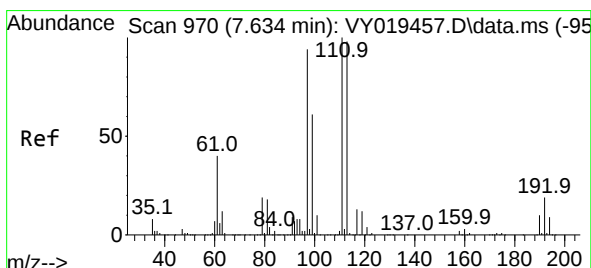
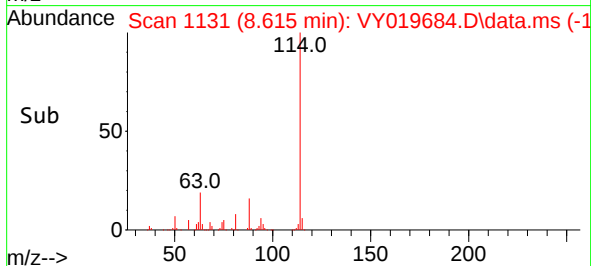
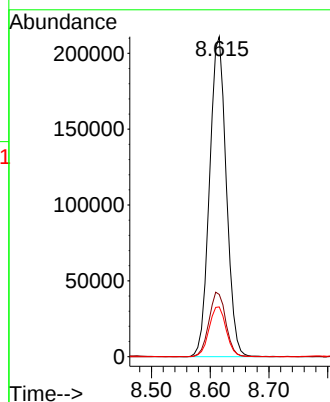
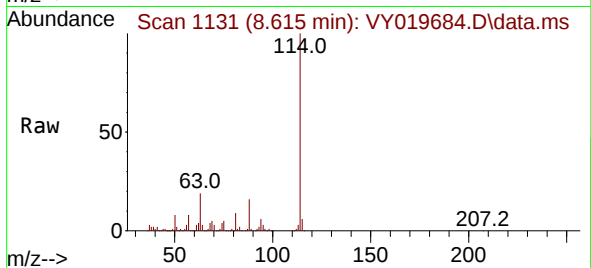
Tgt Ion:114 Resp: 41728

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	35.0
88	15.5	0.0	27.2

Manual Integrations

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Supervised By :Semsettin Yesilyurt 09/25/2024



#35

Dibromofluoromethane

Concen: 56.181 ug/l

RT: 7.628 min Scan# 969

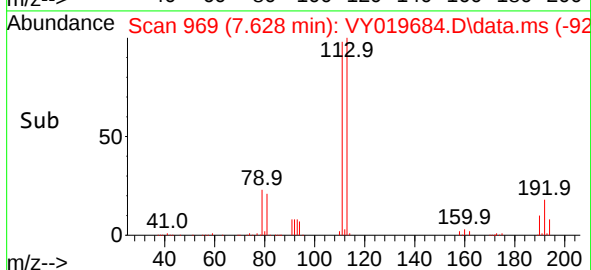
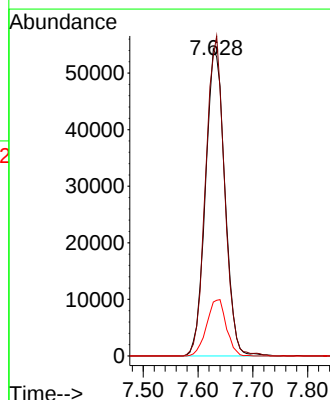
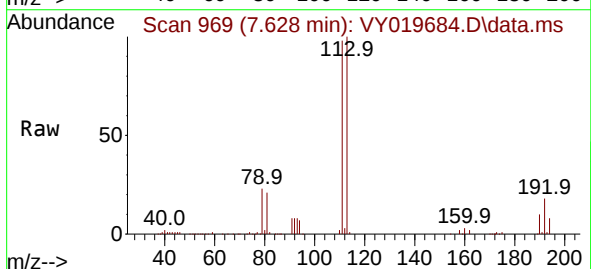
Delta R.T. -0.006 min

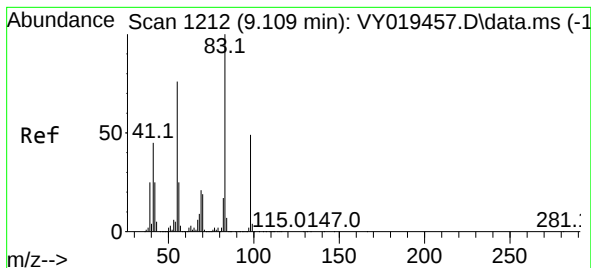
Lab File: VY019684.D

Acq: 24 Sep 2024 15:55

Tgt Ion:113 Resp: 132919

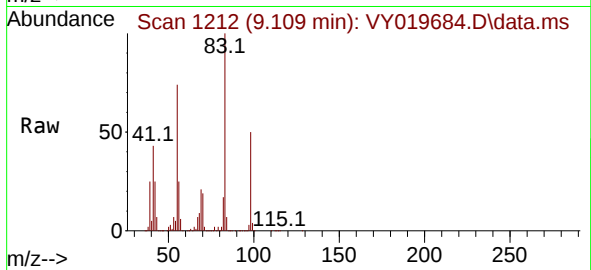
Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.2	123.4
192	18.5	15.9	23.9





#39
Methylcyclohexane
Concen: 219.980 ug/l
RT: 9.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019684.D
Acq: 24 Sep 2024 15:55

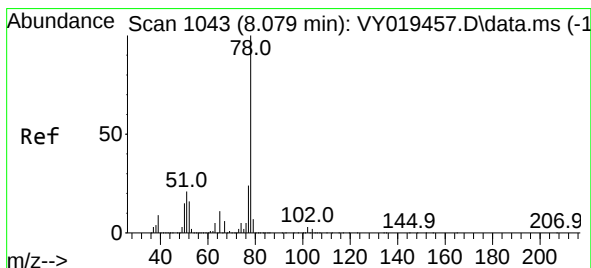
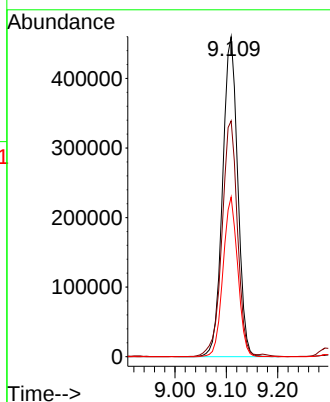
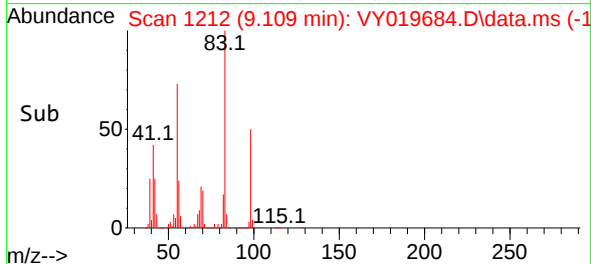
Instrument :
MSVOA_Y
ClientSampleId :
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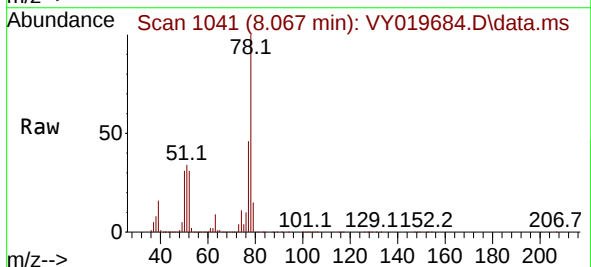
Tgt Ion: 83 Resp: 94244
Ion Ratio Lower Upper
83 100
55 73.7 51.5 77.3
98 49.9 40.5 60.7

Manual Integrations
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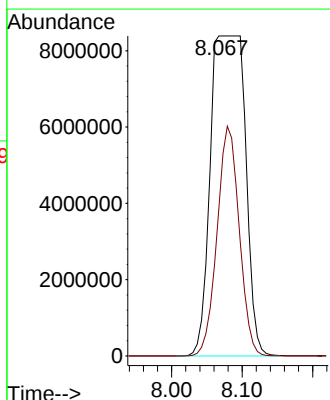
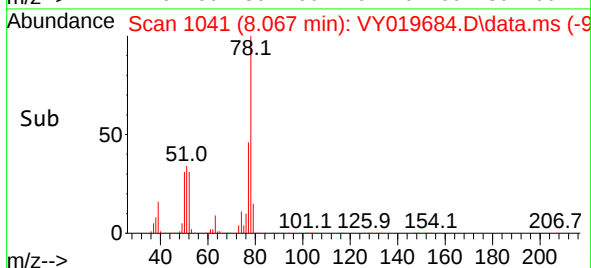
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024

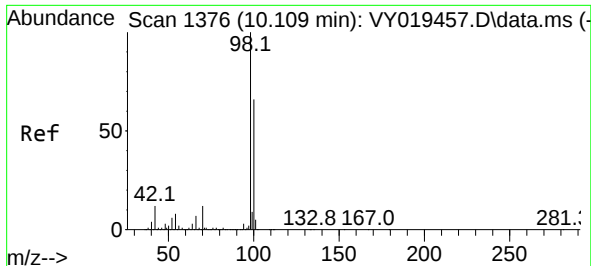


#40
Benzene
Concen: 2916.159 ug/l m
RT: 8.067 min Scan# 1041
Delta R.T. -0.012 min
Lab File: VY019684.D
Acq: 24 Sep 2024 15:55



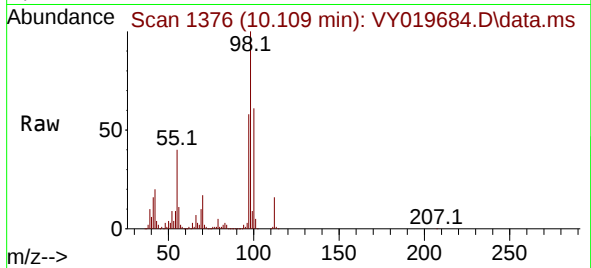
Tgt Ion: 78 Resp:28915733
Ion Ratio Lower Upper
78 100
77 46.0 19.5 29.3#





#50
Toluene-d8
Concen: 55.895 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY019684.D
Acq: 24 Sep 2024 15:55

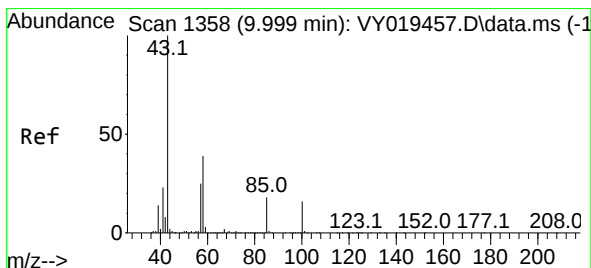
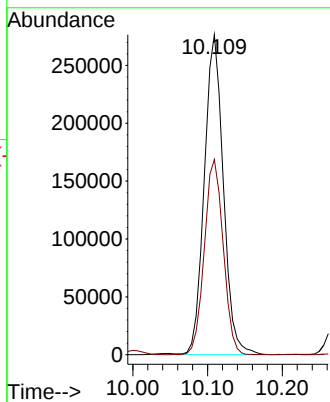
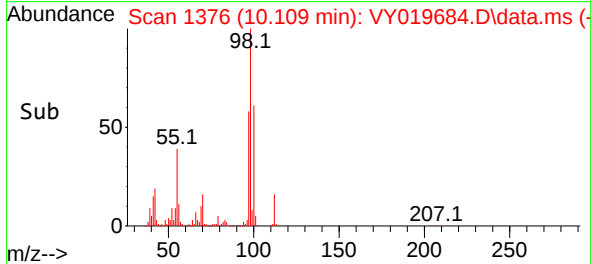
Instrument :
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2-SBG



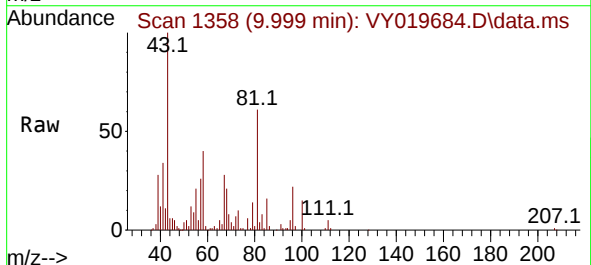
Tgt Ion: 98 Resp: 489130
Ion Ratio Lower Upper
98 100
100 60.4 52.0 78.0

Manual Integrations
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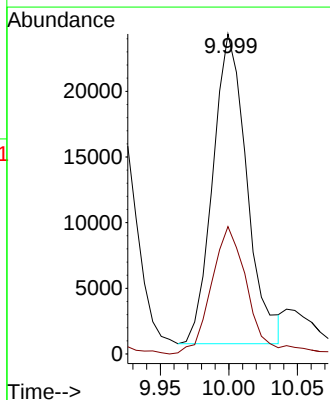
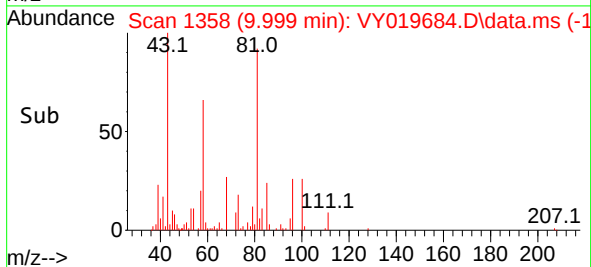
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024

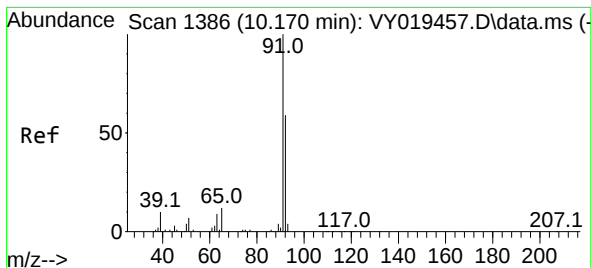


#51
4-Methyl-2-Pentanone
Concen: 23.389 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY019684.D
Acq: 24 Sep 2024 15:55



Tgt Ion: 43 Resp: 40778
Ion Ratio Lower Upper
43 100
58 44.0 35.7 53.5





#52

Toluene

Concen: 3533.604 ug/l m

RT: 10.164 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY019684.D

Acq: 24 Sep 2024 15:55

Instrument :

MSVOA_Y

ClientSampleId :

2-SBG

Tgt Ion: 92 Resp: 22534528

Ion Ratio Lower Upper

92 100

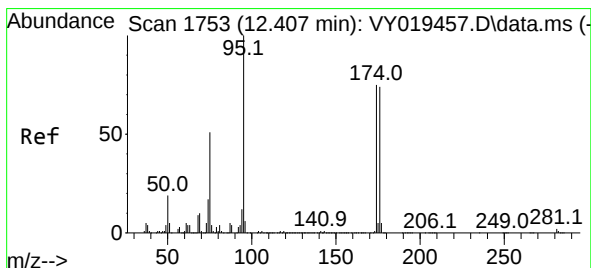
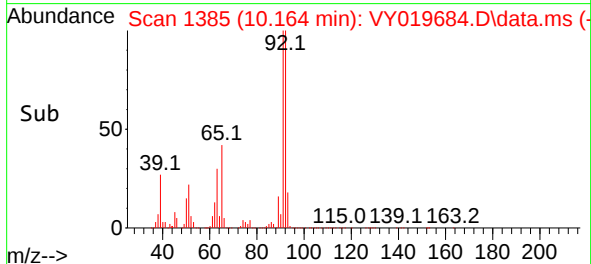
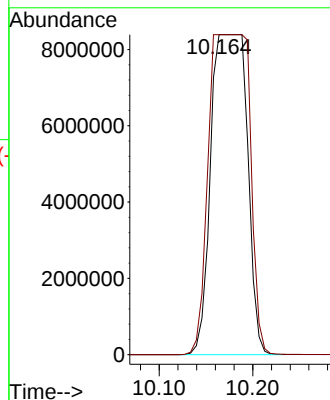
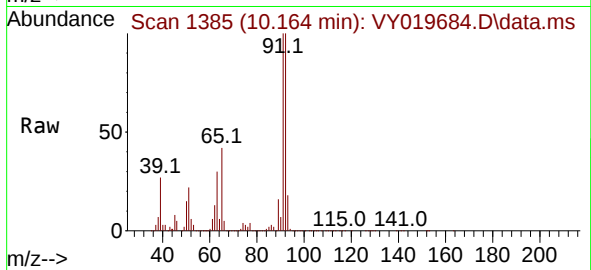
91 0.0 139.0 208.6

Manual Integrations

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Supervised By :Semsettin Yesilyurt 09/25/2024



#62

4-Bromofluorobenzene

Concen: 33.864 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY019684.D

Acq: 24 Sep 2024 15:55

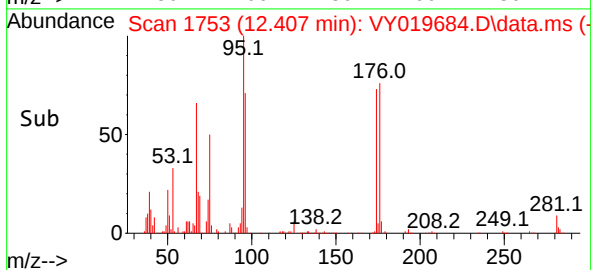
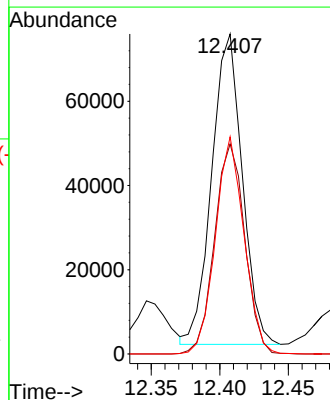
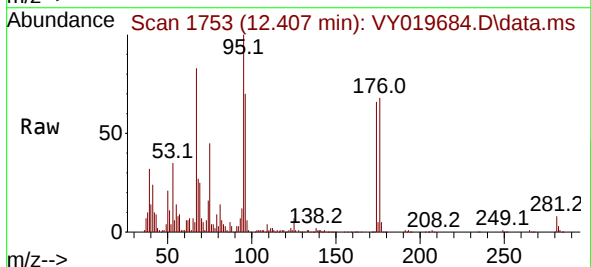
Tgt Ion: 95 Resp: 113946

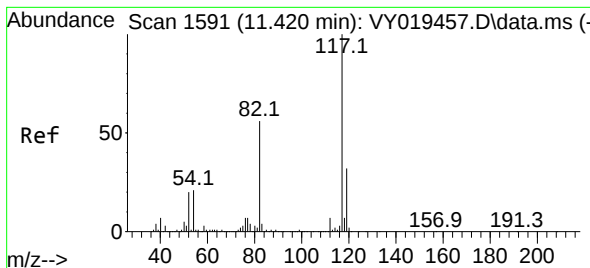
Ion Ratio Lower Upper

95 100

174 67.1 0.0 175.6

176 65.8 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. -0.006 min

Lab File: VY019684.D

Acq: 24 Sep 2024 15:55

Instrument :

MSVOA_Y

ClientSampleId :

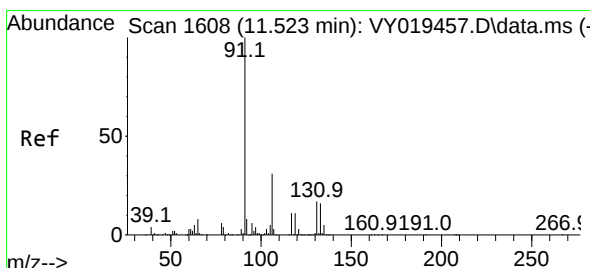
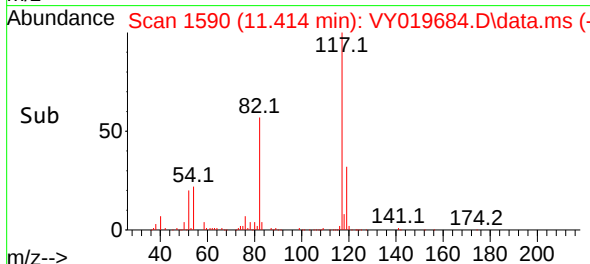
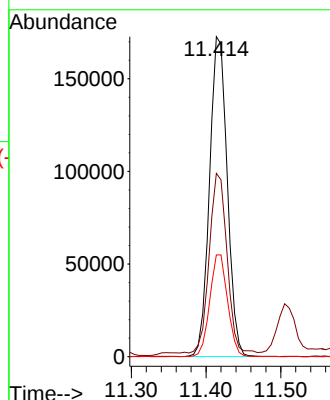
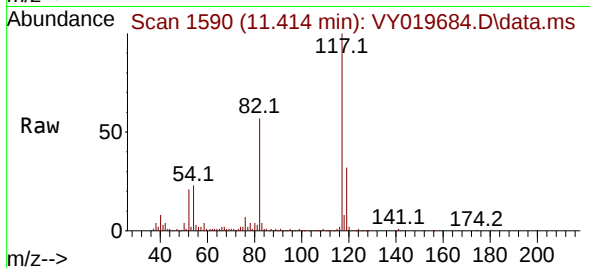
2-SBG

Tgt Ion:	117	Resp:	283938
Ion	Ratio	Lower	Upper
117	100		
82	56.2	42.4	63.6
119	31.8	25.9	38.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024



#67

Ethyl Benzene

Concen: 1004.045 ug/l

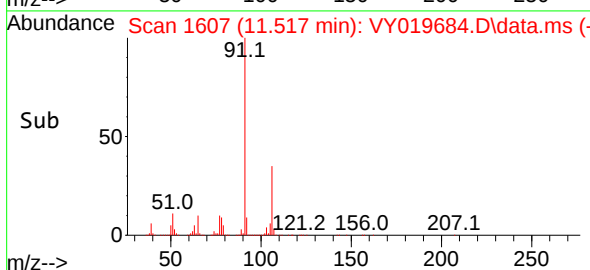
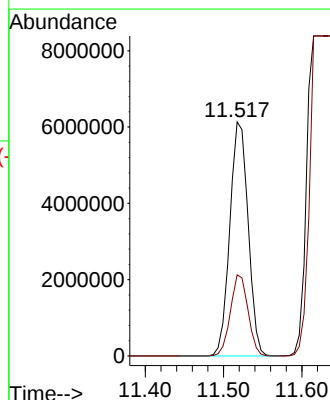
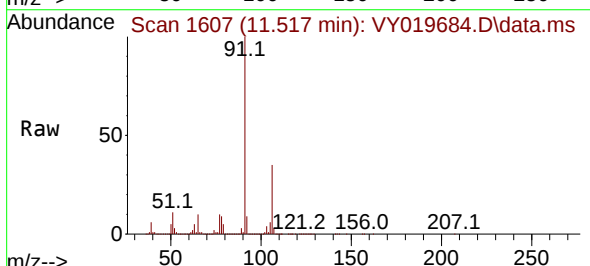
RT: 11.517 min Scan# 1607

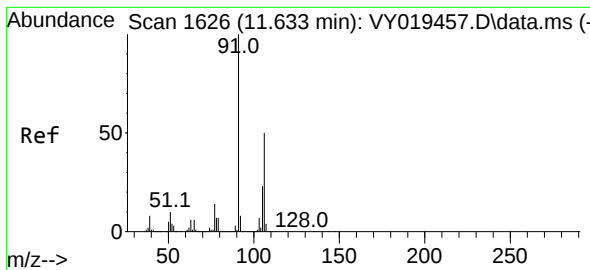
Delta R.T. -0.006 min

Lab File: VY019684.D

Acq: 24 Sep 2024 15:55

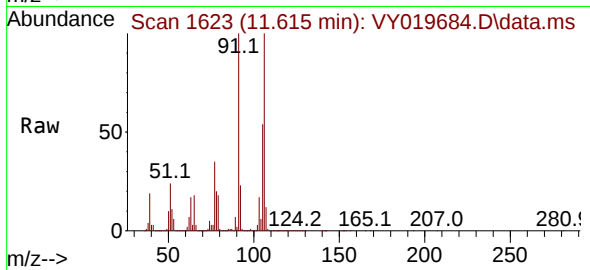
Tgt Ion:	91	Resp:	9964168
Ion	Ratio	Lower	Upper
91	100		
106	34.6	24.5	36.7





#68
m/p-Xylenes
Concen: 5945.540 ug/l m
RT: 11.615 min Scan# 1623
Delta R.T. -0.018 min
Lab File: VY019684.D
Acq: 24 Sep 2024 15:55

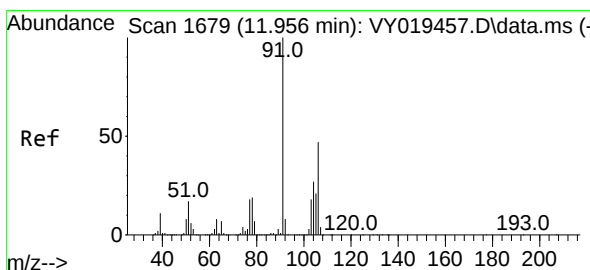
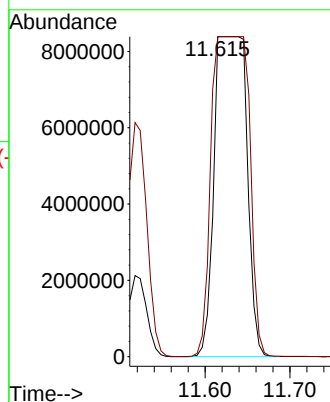
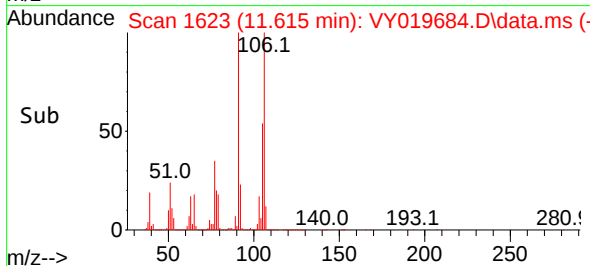
Instrument :
MSVOA_Y
ClientSampleId :
2-SBG



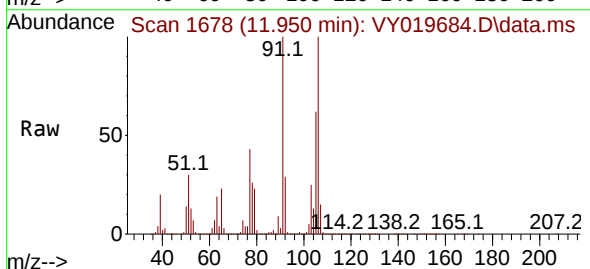
Tgt Ion:106 Resp:22310640
Ion Ratio Lower Upper
106 100
91 44.7 156.0 234.0

Manual Integrations
APPROVED

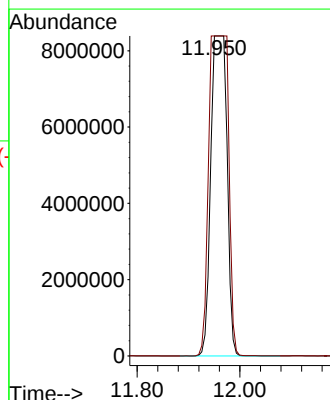
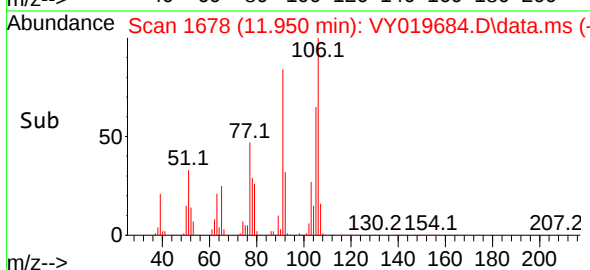
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024

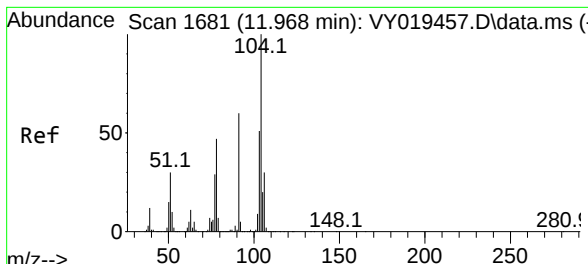


#69
o-Xylene
Concen: 4989.839 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. -0.006 min
Lab File: VY019684.D
Acq: 24 Sep 2024 15:55



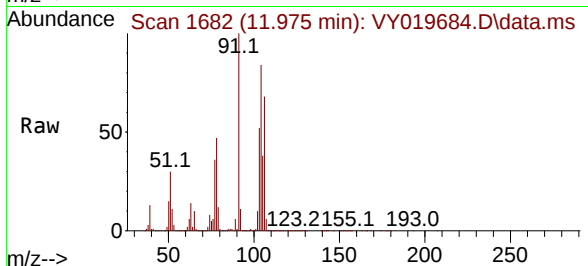
Tgt Ion:106 Resp:18311905
Ion Ratio Lower Upper
106 100
91 0.0 103.6 310.8





#70
Styrene
Concen: 1813.244 ug/l
RT: 11.975 min Scan# 104
Delta R.T. 0.006 min
Lab File: VY019684.D
Acq: 24 Sep 2024 15:55

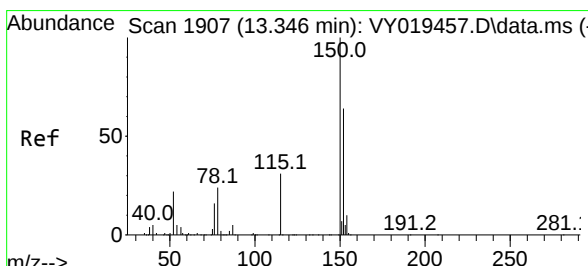
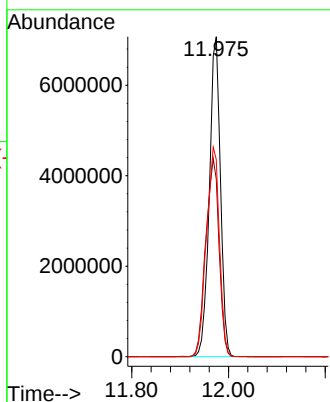
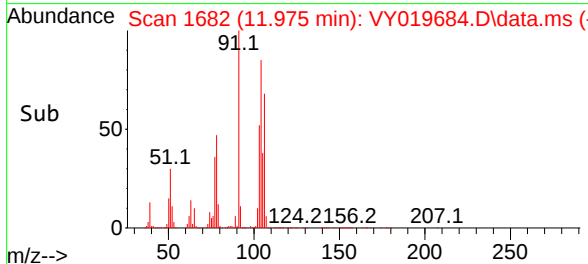
Instrument :
MSVOA_Y
ClientSampleId :
2-SBG



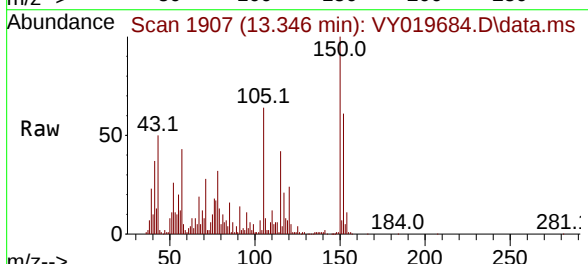
Tgt Ion:104 Resp:1123492
Ion Ratio Lower Upper
104 100
78 74.5 37.0 55.4
103 77.1 44.2 66.2

Manual Integrations
APPROVED

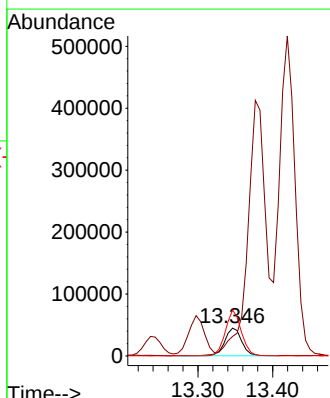
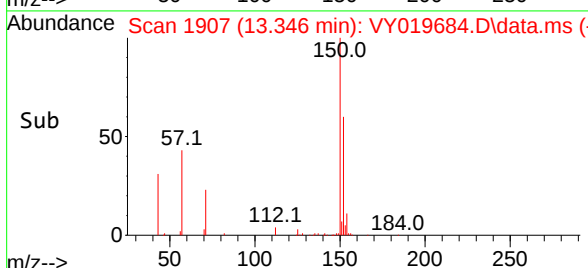
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024

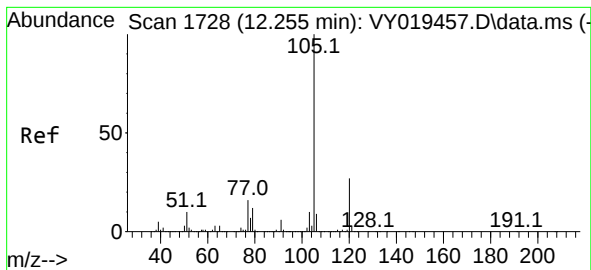


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019684.D
Acq: 24 Sep 2024 15:55



Tgt Ion:152 Resp: 71415
Ion Ratio Lower Upper
152 100
115 0.0 28.2 84.7
150 151.4 0.0 345.6





#73

Isopropylbenzene

Concen: 181.988 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.000 min

Lab File: VY019684.D

Acq: 24 Sep 2024 15:55

Instrument :

MSVOA_Y

ClientSampleId :

2-SBG

Tgt Ion:105 Resp: 942869

Ion Ratio Lower Upper

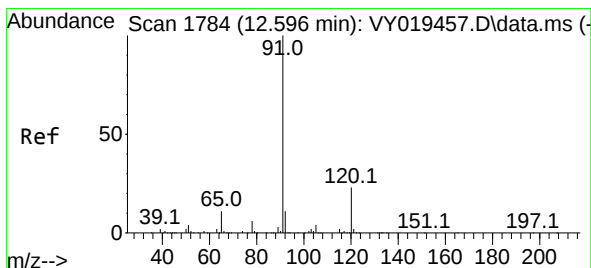
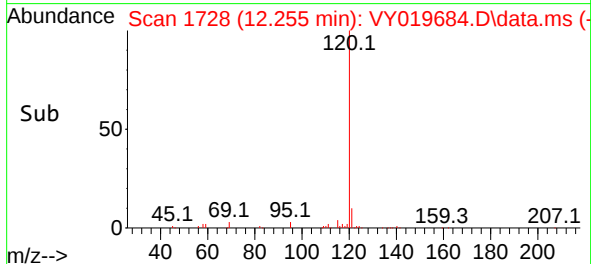
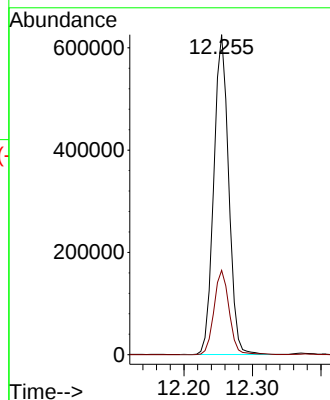
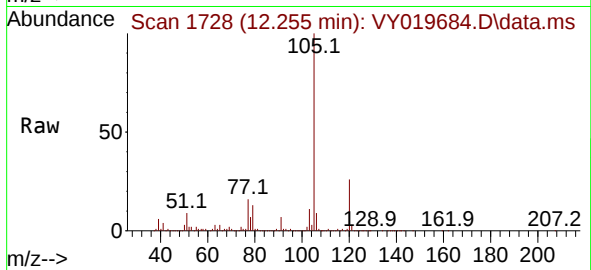
105 100

120 26.8 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024



#78

n-propylbenzene

Concen: 363.020 ug/l

RT: 12.596 min Scan# 1784

Delta R.T. 0.000 min

Lab File: VY019684.D

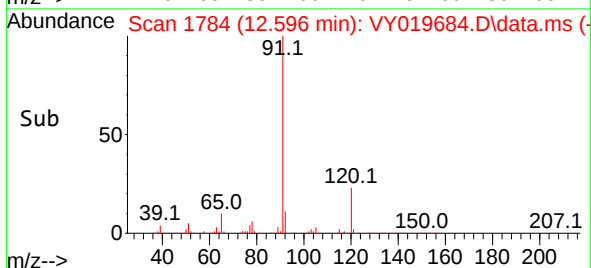
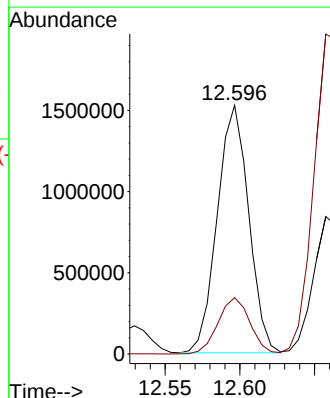
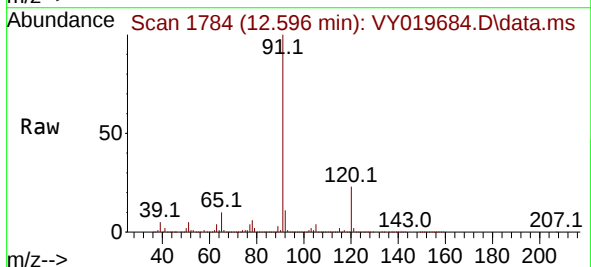
Acq: 24 Sep 2024 15:55

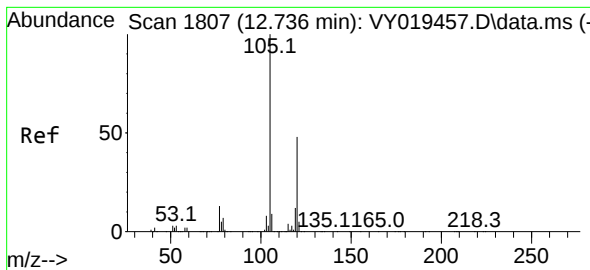
Tgt Ion: 91 Resp: 2229240

Ion Ratio Lower Upper

91 100

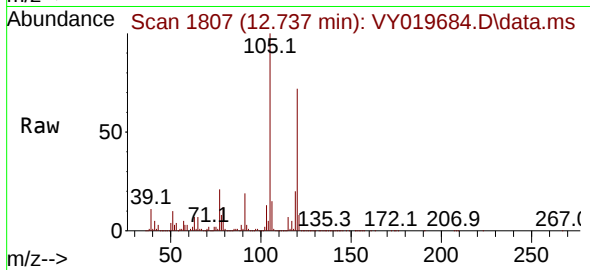
120 23.1 11.5 34.4





#80
 1,3,5-Trimethylbenzene
 Concen: 3548.883 ug/l
 RT: 12.737 min Scan# 1807
 Delta R.T. 0.000 min
 Lab File: VY019684.D
 Acq: 24 Sep 2024 15:55

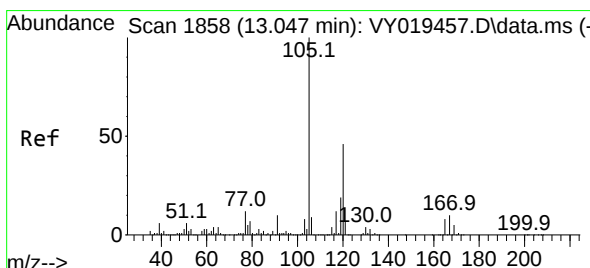
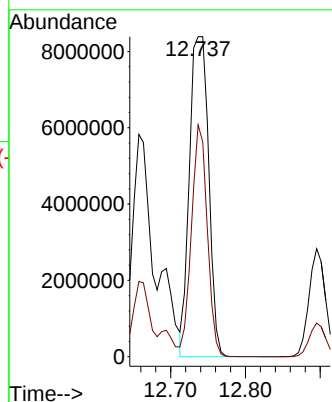
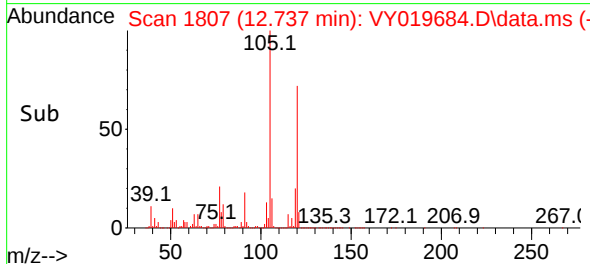
Instrument :
 MSVOA_Y
 ClientSampleId :
 2-SBG



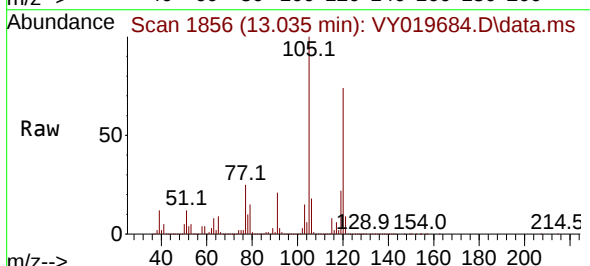
Tgt Ion:105 Resp:1494748
 Ion Ratio Lower Upper
 105 100
 120 59.5 25.1 75.2

Manual Integrations
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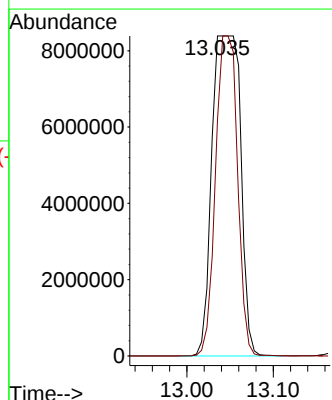
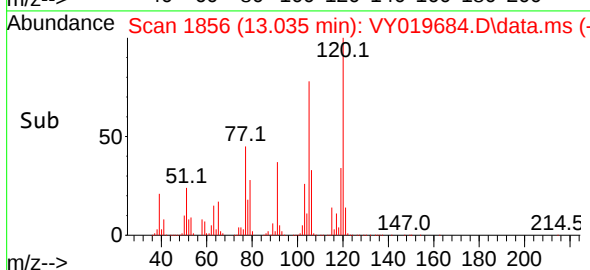
Reviewed By :Mahesh Dadoda 09/25/2024
 Supervised By :Semsettin Yesilyurt 09/25/2024

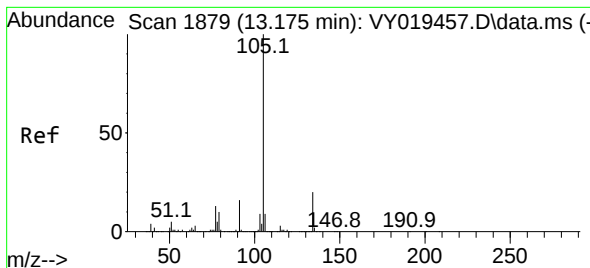


#84
 1,2,4-Trimethylbenzene
 Concen: 4639.547 ug/l m
 RT: 13.035 min Scan# 1856
 Delta R.T. -0.012 min
 Lab File: VY019684.D
 Acq: 24 Sep 2024 15:55



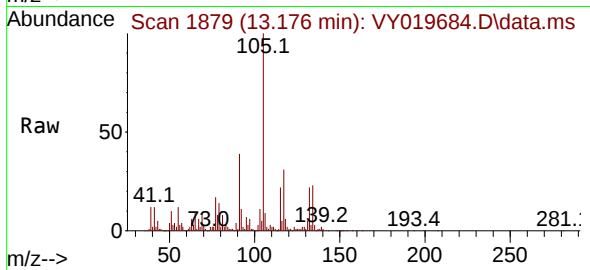
Tgt Ion:105 Resp:19343198
 Ion Ratio Lower Upper
 105 100
 120 6.8 23.2 69.6#





#85
 sec-Butylbenzene
 Concen: 38.641 ug/l m
 RT: 13.176 min Scan# 1879
 Delta R.T. 0.000 min
 Lab File: VY019684.D
 Acq: 24 Sep 2024 15:55

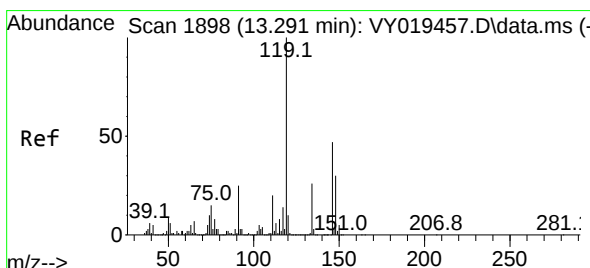
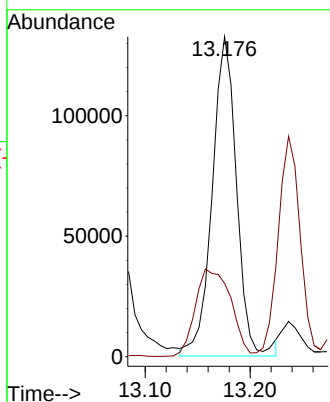
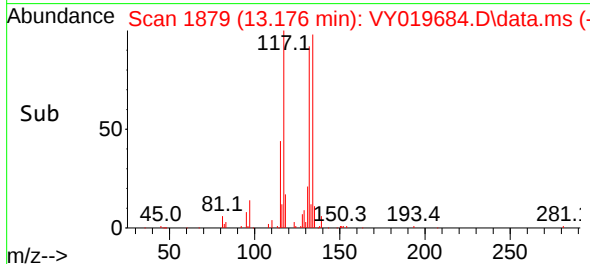
Instrument :
 MSVOA_Y
 ClientSampleId :
 2-SBG



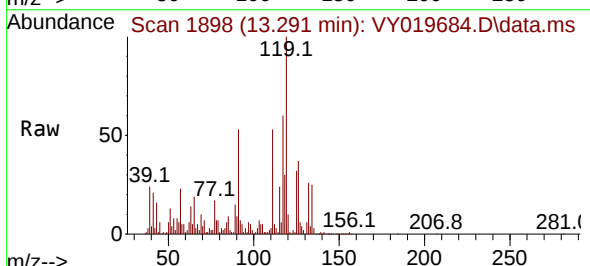
Tgt Ion:105 Resp: 214039
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1#

Manual Integrations
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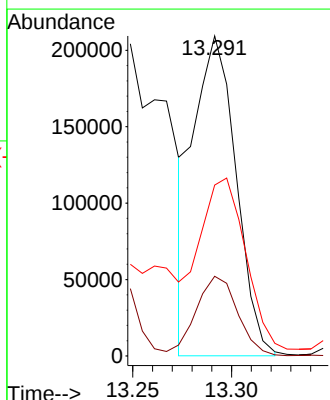
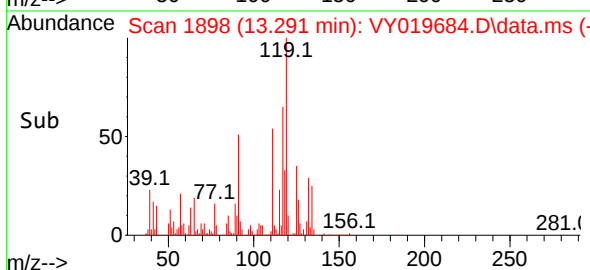
Reviewed By :Mahesh Dadoda 09/25/2024
 Supervised By :Semsettin Yesilyurt 09/25/2024

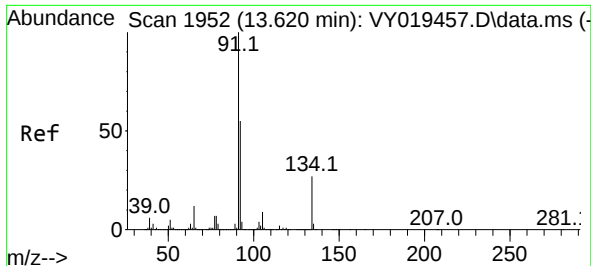


#86
 p-Isopropyltoluene
 Concen: 69.010 ug/l m
 RT: 13.291 min Scan# 1898
 Delta R.T. 0.000 min
 Lab File: VY019684.D
 Acq: 24 Sep 2024 15:55



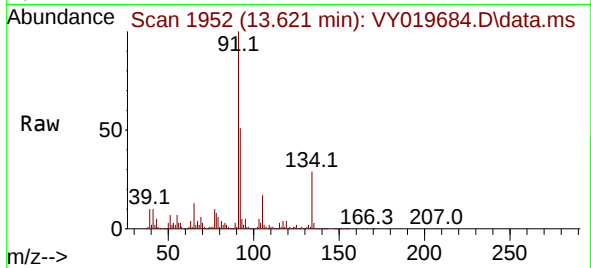
Tgt Ion:119 Resp: 312752
 Ion Ratio Lower Upper
 119 100
 134 42.7 13.1 39.3#
 91 63.5 10.7 32.1#





#89
n-Butylbenzene
Concen: 46.384 ug/l
RT: 13.621 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VY019684.D
Acq: 24 Sep 2024 15:55

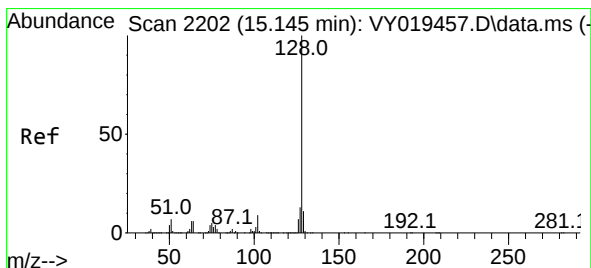
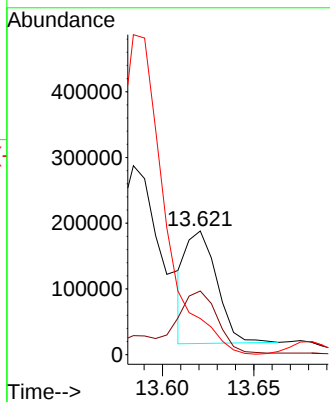
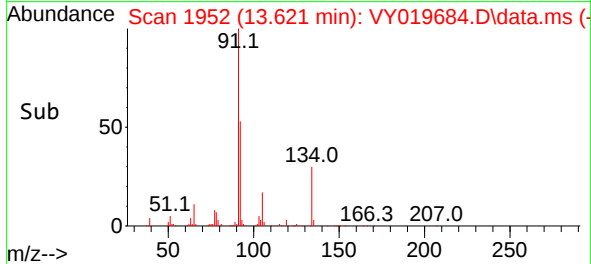
Instrument :
MSVOA_Y
ClientSampleId :
2-SBG



Tgt Ion: 91 Resp: 200960
Ion Ratio Lower Upper
91 100
92 87.5 26.6 79.7
134 0.0 12.9 38.7

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024



#95
Naphthalene
Concen: 13224.528 ug/l m
RT: 15.133 min Scan# 2200
Delta R.T. -0.012 min
Lab File: VY019684.D
Acq: 24 Sep 2024 15:55

Tgt Ion:128 Resp:32092776
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

