

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092424\
 Data File : VY019683.D
 Acq On : 24 Sep 2024 15:31
 Operator : SY/MD
 Sample : P4144-08
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 5-SBG

Manual Integrations
 APPROVED

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

Quant Time: Sep 25 01:26:41 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	160421	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	271079	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	201702	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	62194	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	81854	55.103	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.200%			
35) Dibromofluoromethane	7.634	113	82693	53.803	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.600%			
50) Toluene-d8	10.103	98	313633	55.170	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 110.340%			
62) 4-Bromofluorobenzene	12.402	95	85471	39.101	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 78.200%			
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.842	59	11314	94.312	ug/l #	88
16) Acetone	3.861	43	64576	182.475	ug/l #	79
17) Carbon Disulfide	4.104	76	7058	1.835	ug/l #	94
31) Cyclohexane	7.701	56	159415	59.965	ug/l	92
39) Methylcyclohexane	9.110	83	242203	87.024	ug/l	93
40) Benzene	8.079	78	10311818	1600.833	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	13146	11.607	ug/l	95
52) Toluene	10.170	92	10039385	2423.317	ug/l	86
67) Ethyl Benzene	11.518	91	3074246	436.078	ug/l	99
68) m/p-Xylenes	11.627	106	10919408	4096.299	ug/l	79
69) o-Xylene	11.957	106	7544564	2894.013	ug/l	88
70) Styrene	11.969	104	4169264	947.237	ug/l #	74
73) Isopropylbenzene	12.255	105	299097	66.289	ug/l	100
78) n-propylbenzene	12.597	91	761869	142.461	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	6141089	1674.210	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	11791393	3247.531	ug/l	96
86) p-Isopropyltoluene	13.292	119	114805m	29.088	ug/l	
89) n-Butylbenzene	13.615	91	89445	23.706	ug/l #	61
95) Naphthalene	15.133	128	26862302m	12710.338	ug/l	

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

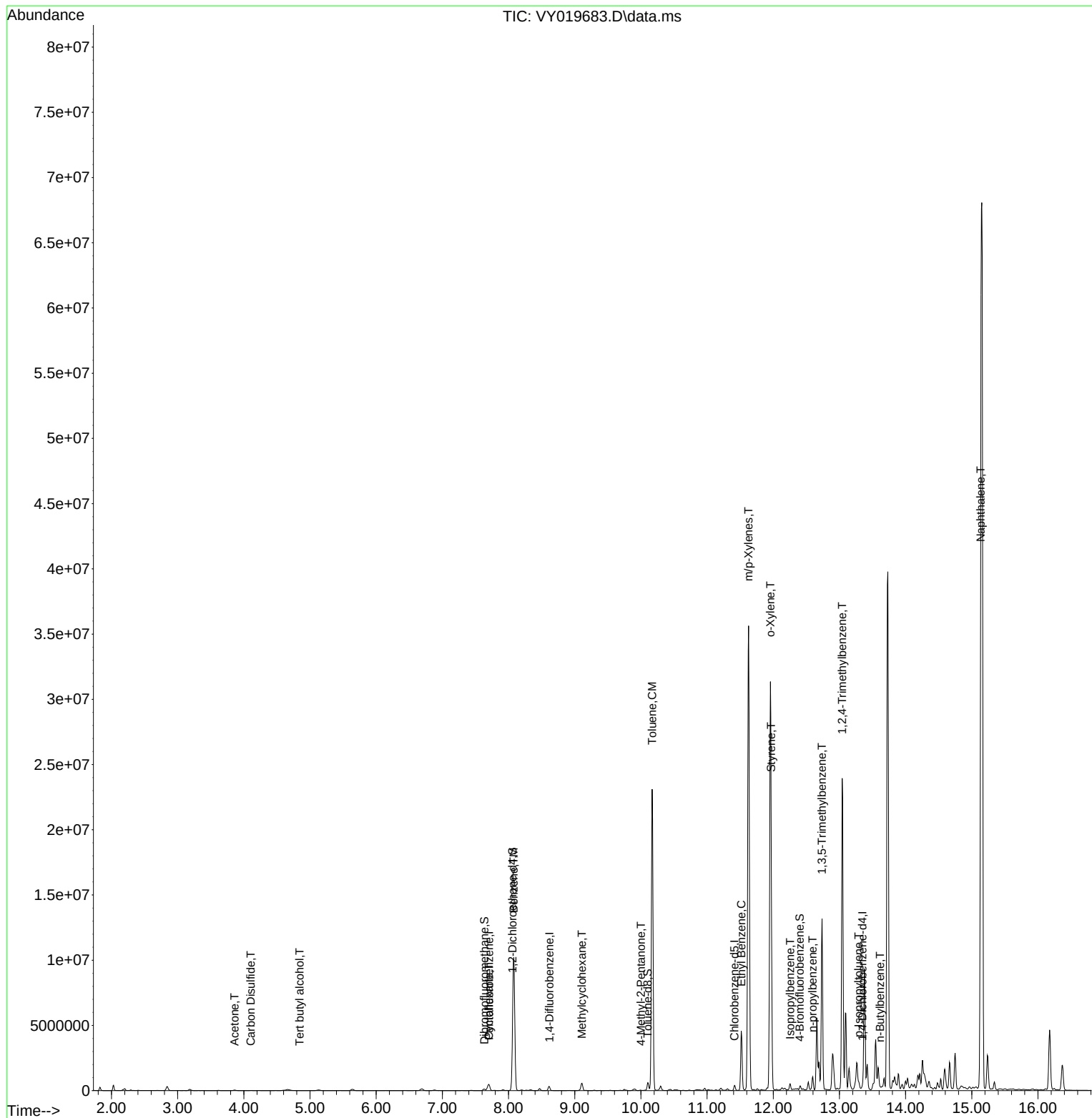
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092424\
Data File : VY019683.D
Acq On : 24 Sep 2024 15:31
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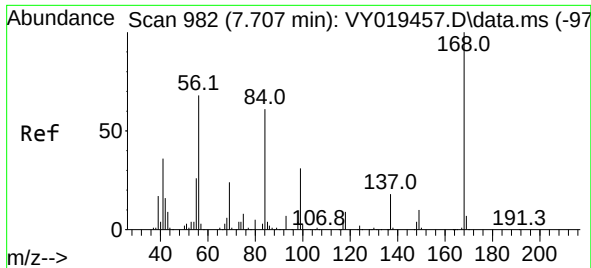
Instrument :
MSVOA_Y
ClientSampleId :
5-SBG

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

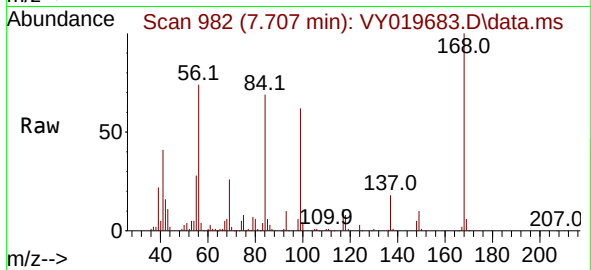
Quant Time: Sep 25 01:26:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY019683.D
Acq: 24 Sep 2024 15:31

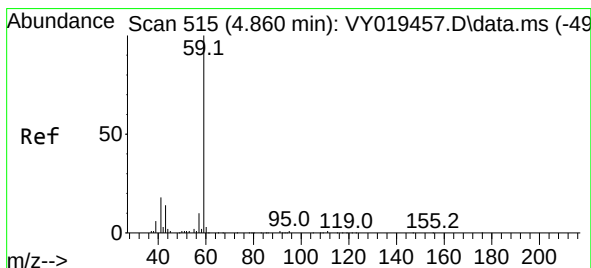
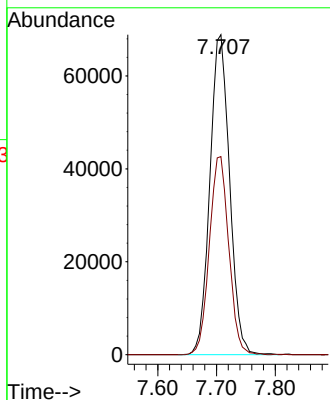
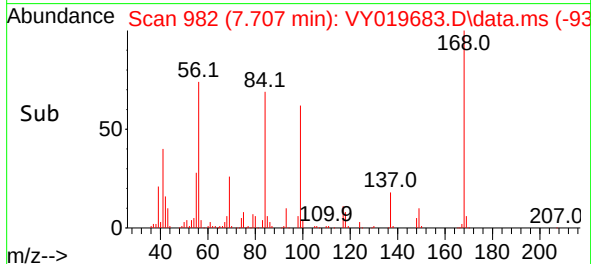
Instrument :
MSVOA_Y
ClientSampleId :
5-SBG



Tgt Ion:168 Resp: 16042
Ion Ratio Lower Upper
168 100
99 61.9 39.1 58.7

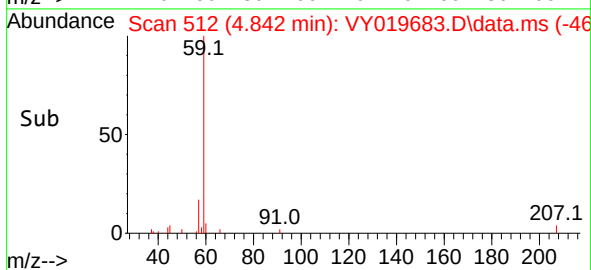
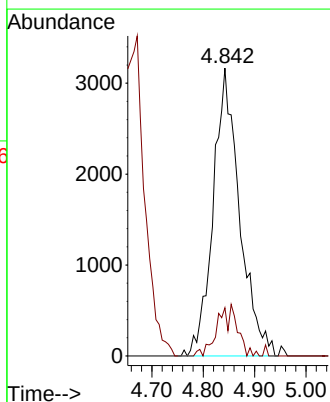
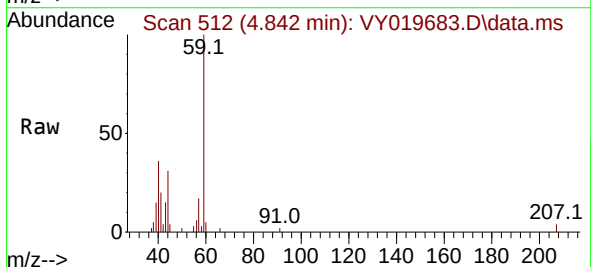
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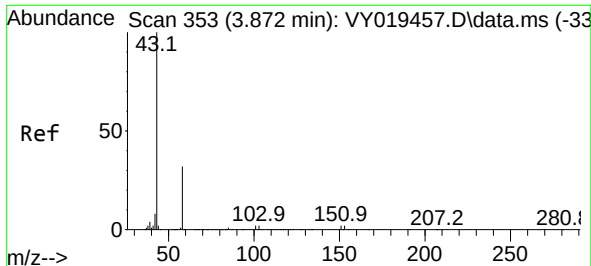
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024



#11
Tert butyl alcohol
Concen: 94.312 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.018 min
Lab File: VY019683.D
Acq: 24 Sep 2024 15:31

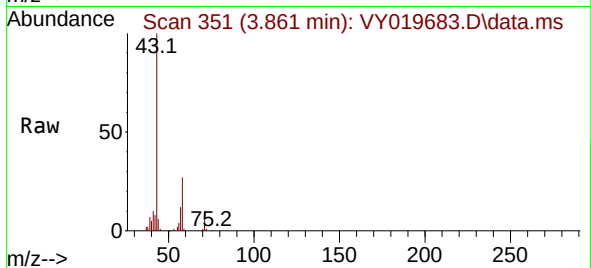
Tgt Ion: 59 Resp: 11314
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6





#16
Acetone
Concen: 182.475 ug/l
RT: 3.861 min Scan# 351
Delta R.T. -0.012 min
Lab File: VY019683.D
Acq: 24 Sep 2024 15:31

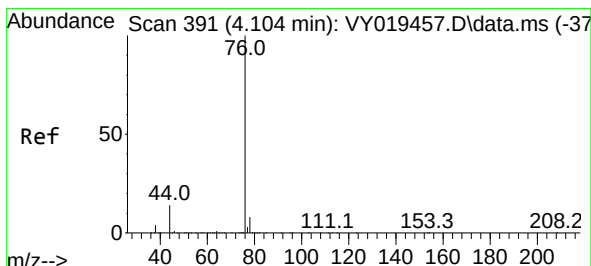
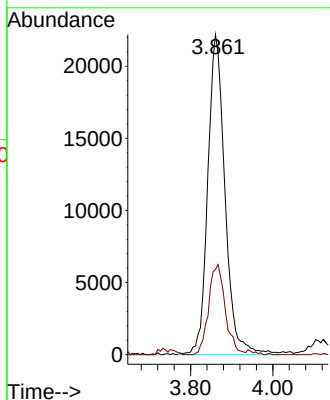
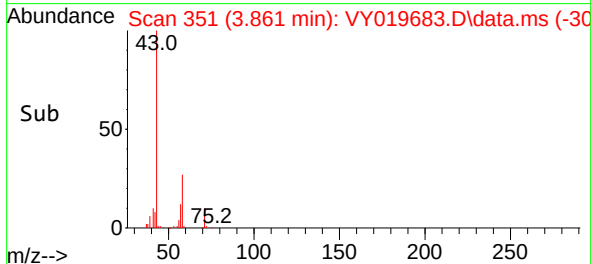
Instrument :
MSVOA_Y
ClientSampleId :
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Tgt Ion: 43 Resp: 64570
Ion Ratio Lower Upper
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58 26.7 31.7 47.5

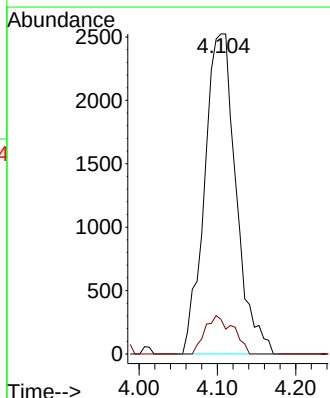
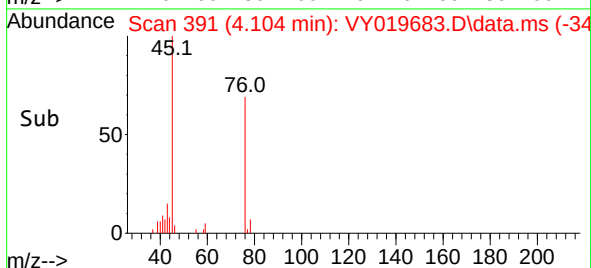
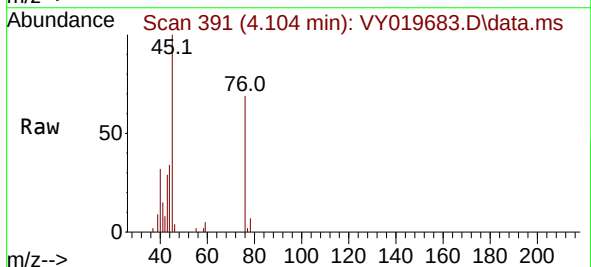
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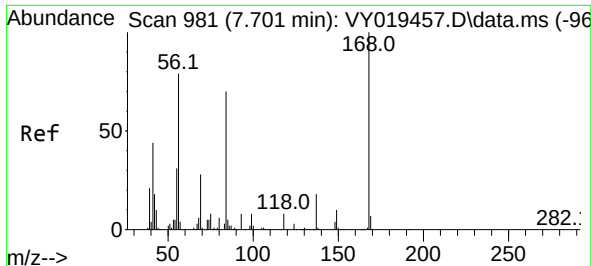
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024



#17
Carbon Disulfide
Concen: 1.835 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.001 min
Lab File: VY019683.D
Acq: 24 Sep 2024 15:31

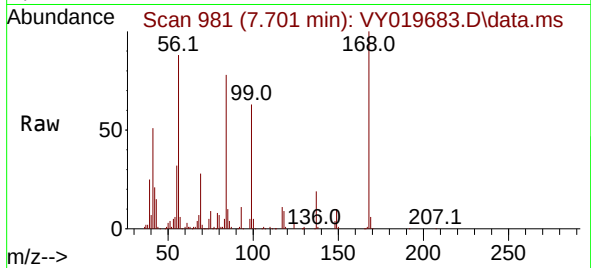
Tgt Ion: 76 Resp: 7058
Ion Ratio Lower Upper
76 100
78 10.8 6.8 10.2





#31
Cyclohexane
Concen: 59.965 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.001 min
Lab File: VY019683.D
Acq: 24 Sep 2024 15:31

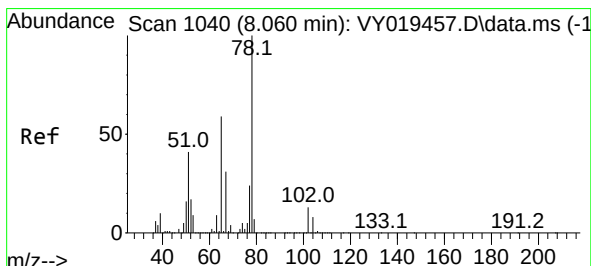
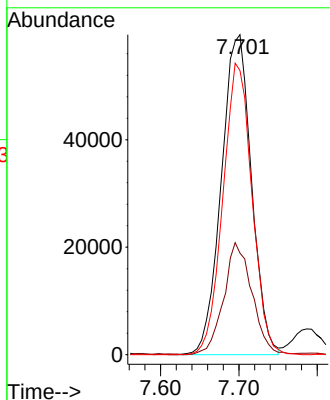
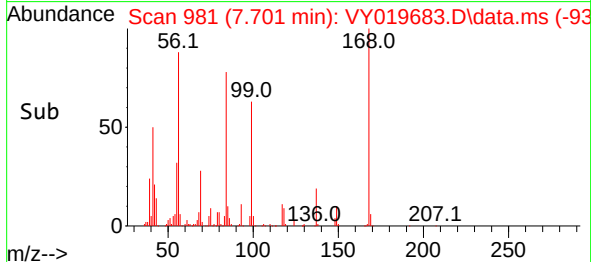
Instrument :
MSVOA_Y
ClientSampleId :
5-SBG



Tgt Ion: 56 Resp: 15941
Ion Ratio Lower Upper
56 100
69 31.6 28.7 43.1
84 88.8 77.7 116.5

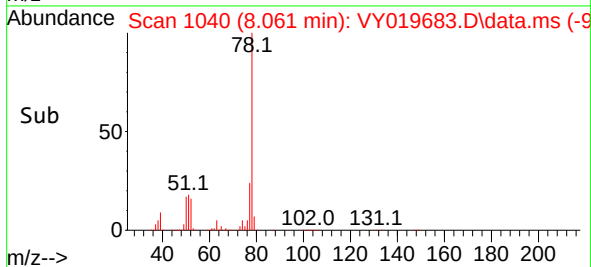
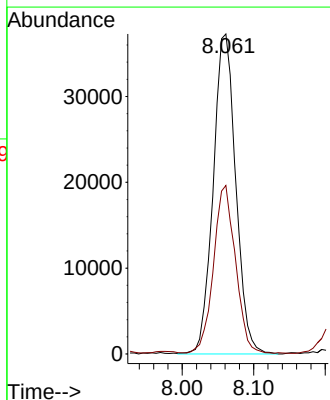
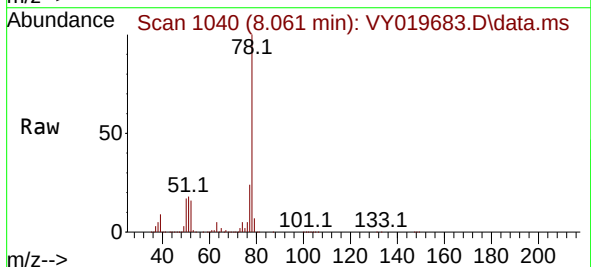
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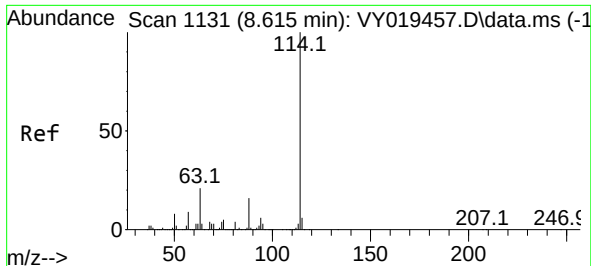
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024



#33
1,2-Dichloroethane-d4
Concen: 55.103 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.001 min
Lab File: VY019683.D
Acq: 24 Sep 2024 15:31

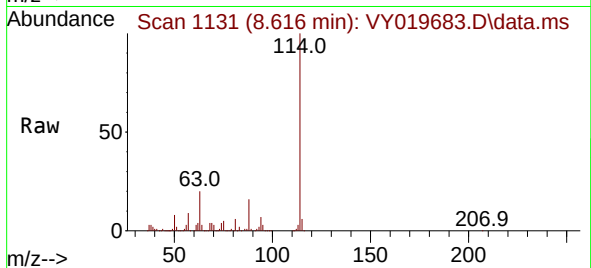
Tgt Ion: 65 Resp: 81854
Ion Ratio Lower Upper
65 100
67 51.0 0.0 109.6





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.001 min
Lab File: VY019683.D
Acq: 24 Sep 2024 15:31

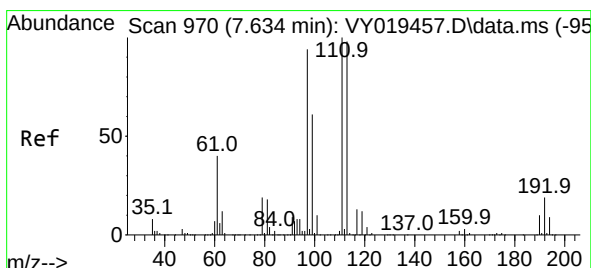
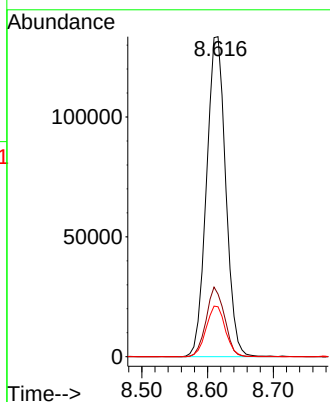
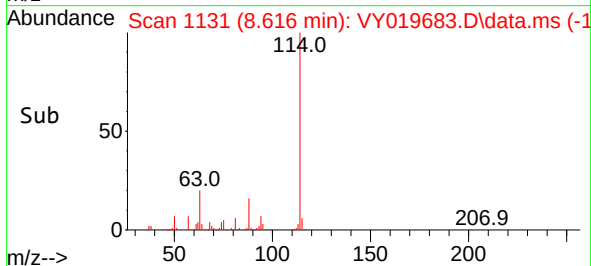
Instrument :
MSVOA_Y
ClientSampleId :
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Tgt Ion:114 Resp: 271079
Ion Ratio Lower Upper
114 100
63 19.6 0.0 35.0
88 15.6 0.0 27.2

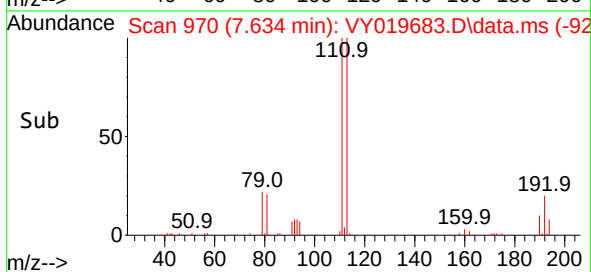
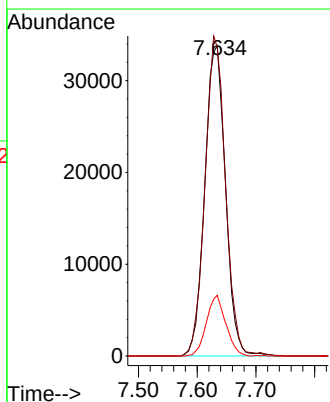
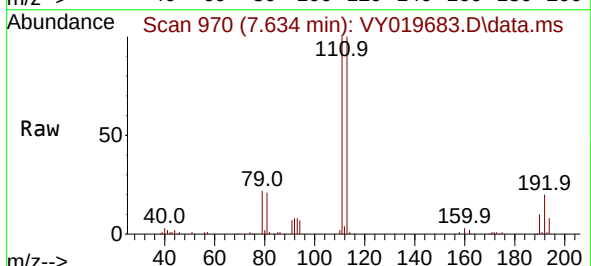
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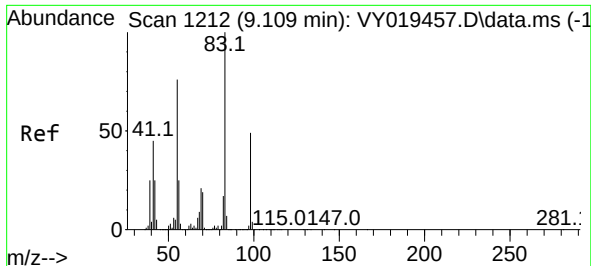
Reviewed By :Mahesh Dadoda 09/25/2024
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#35
Dibromofluoromethane
Concen: 53.803 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.001 min
Lab File: VY019683.D
Acq: 24 Sep 2024 15:31

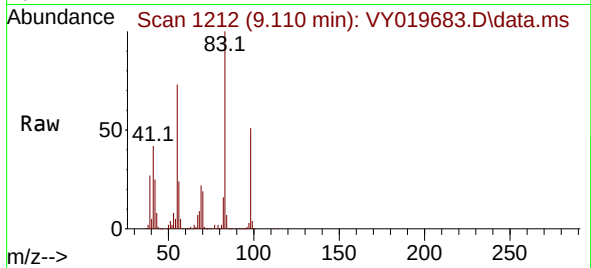
Tgt Ion:113 Resp: 82693
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.4
192 18.3 15.9 23.9





#39
Methylcyclohexane
Concen: 87.024 ug/l
RT: 9.110 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY019683.D
Acq: 24 Sep 2024 15:31

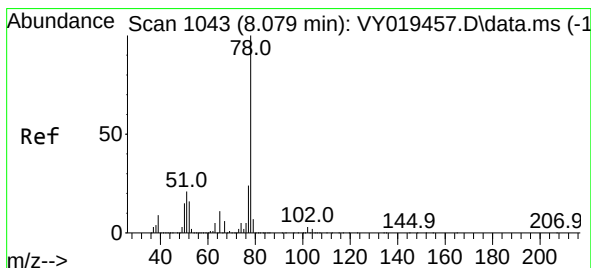
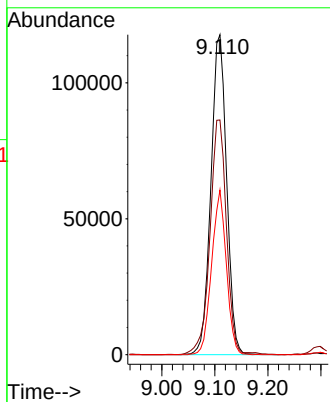
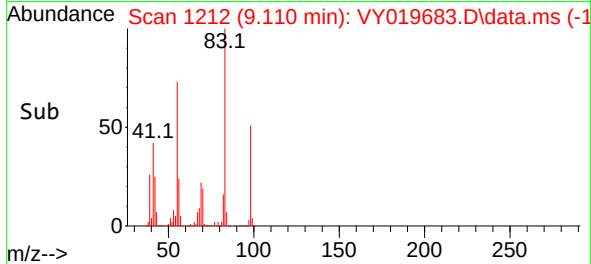
Instrument :
MSVOA_Y
ClientSampleId :
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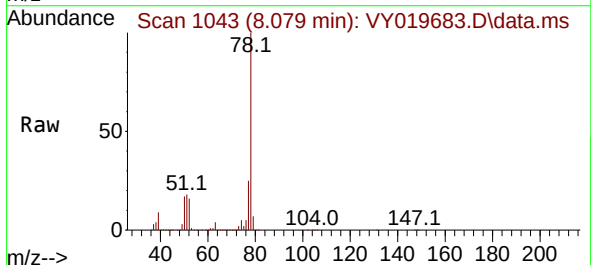
Tgt Ion: 83 Resp: 24220
Ion Ratio Lower Upper
83 100
55 73.3 51.5 77.3
98 51.5 40.5 60.7

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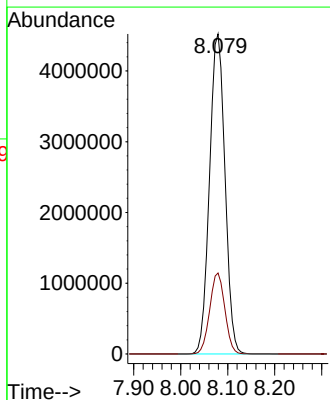
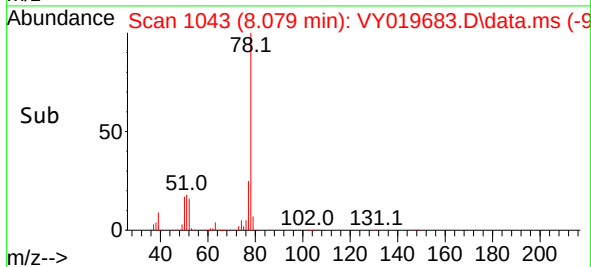
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024

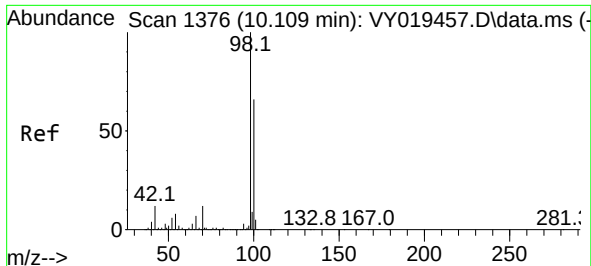


#40
Benzene
Concen: 1600.833 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.001 min
Lab File: VY019683.D
Acq: 24 Sep 2024 15:31



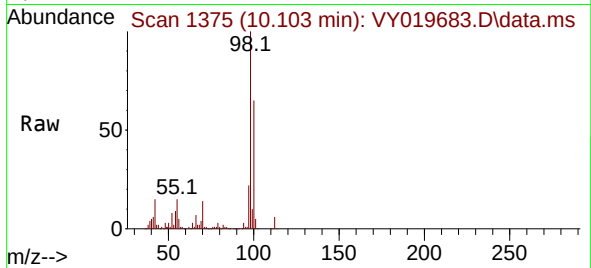
Tgt Ion: 78 Resp:10311818
Ion Ratio Lower Upper
78 100
77 25.3 19.5 29.3





#50
Toluene-d8
Concen: 55.170 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY019683.D
Acq: 24 Sep 2024 15:31

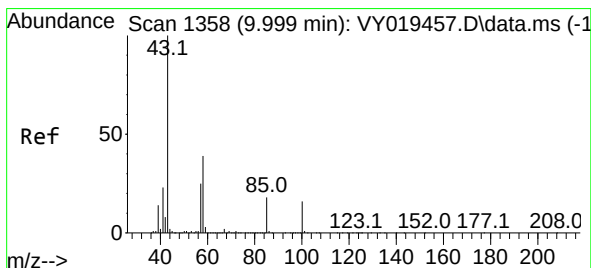
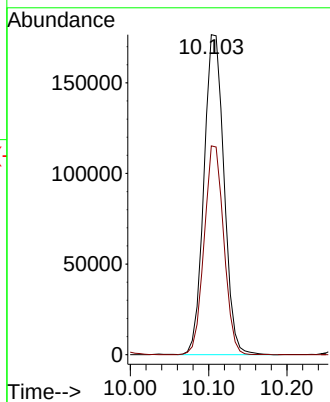
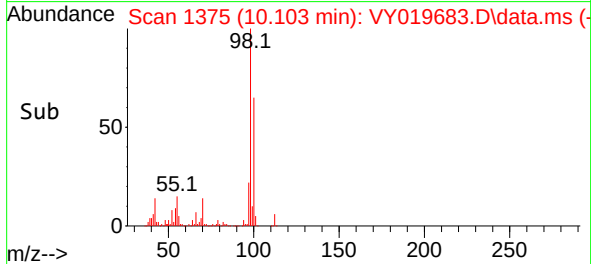
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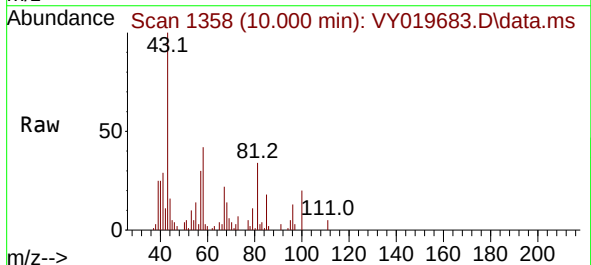
Tgt Ion: 98 Resp: 31363
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0

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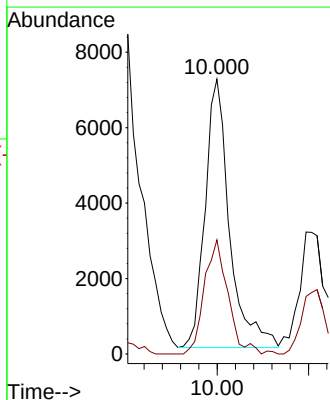
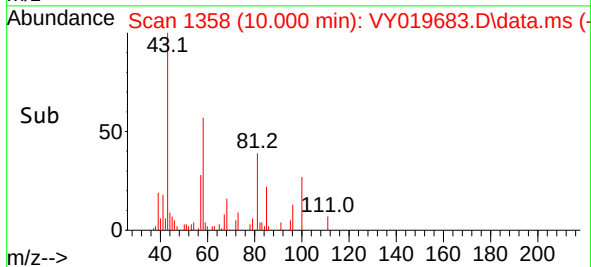
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024

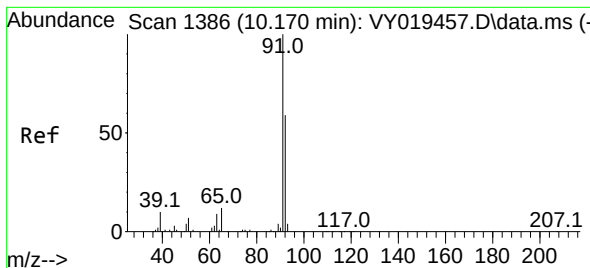


#51
4-Methyl-2-Pentanone
Concen: 11.607 ug/l
RT: 10.000 min Scan# 1358
Delta R.T. 0.001 min
Lab File: VY019683.D
Acq: 24 Sep 2024 15:31



Tgt Ion: 43 Resp: 13146
Ion Ratio Lower Upper
43 100
58 41.4 35.7 53.5





#52

Toluene

Concen: 2423.317 ug/l

RT: 10.170 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY019683.D

Acq: 24 Sep 2024 15:31

Instrument :

MSVOA_Y

ClientSampleId :

5-SBG

Tgt Ion: 92 Resp:1003938

Ion Ratio Lower Upper

92 100

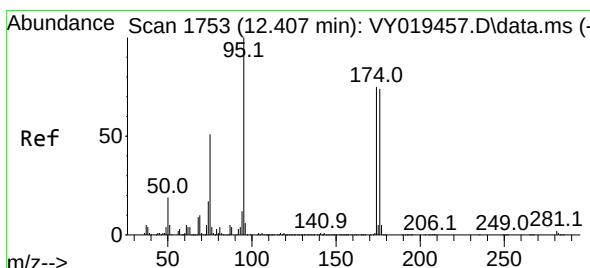
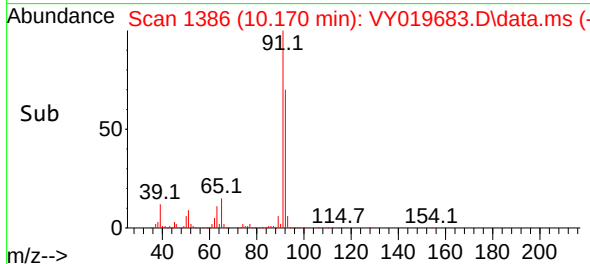
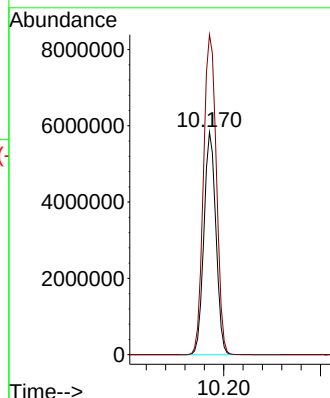
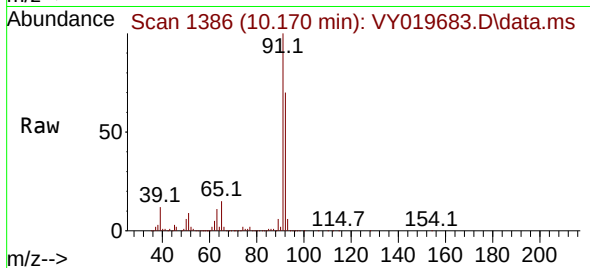
91 154.6 139.0 208.6

Manual Integrations

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Supervised By :Semsettin Yesilyurt 09/25/2024



#62

4-Bromofluorobenzene

Concen: 39.101 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY019683.D

Acq: 24 Sep 2024 15:31

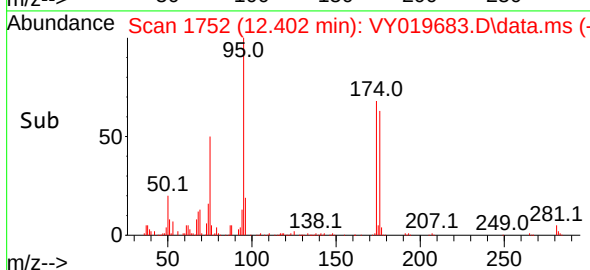
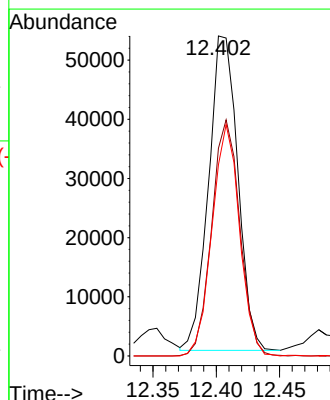
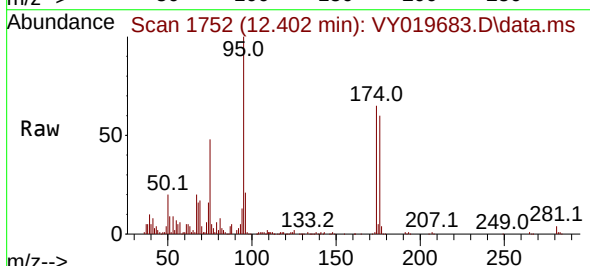
Tgt Ion: 95 Resp: 85471

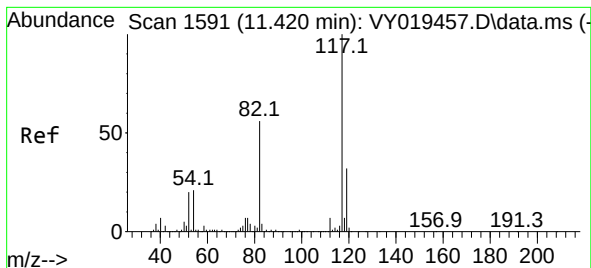
Ion Ratio Lower Upper

95 100

174 72.4 0.0 175.6

176 69.1 0.0 171.4





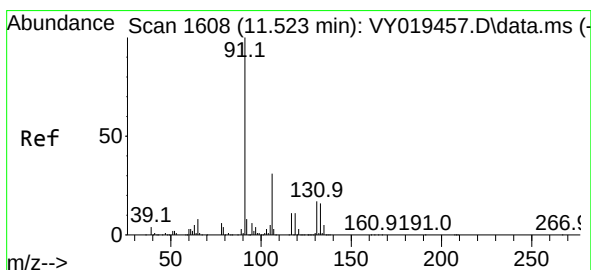
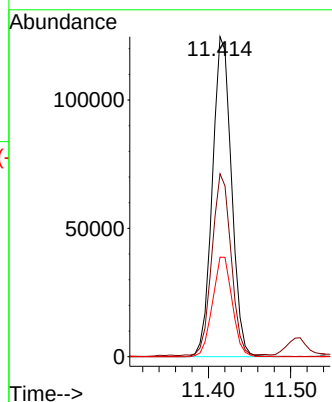
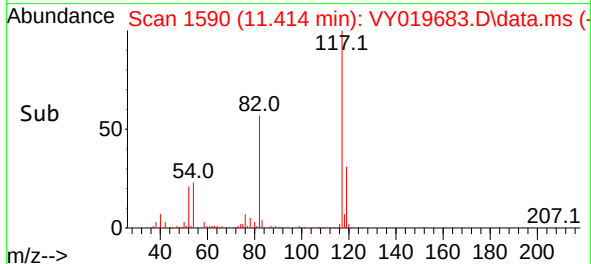
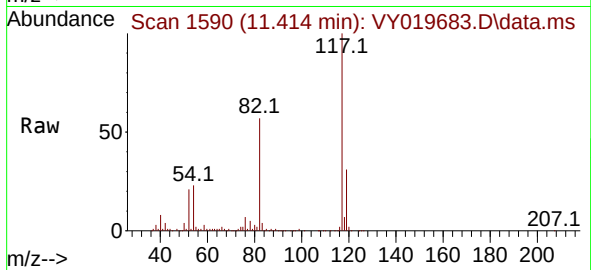
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VY019683.D
Acq: 24 Sep 2024 15:31

Instrument :
MSVOA_Y
ClientSampleId :
5-SBG

Tgt Ion: 117 Resp: 201702
Ion Ratio Lower Upper
117 100
82 56.8 42.4 63.6
119 31.1 25.9 38.9

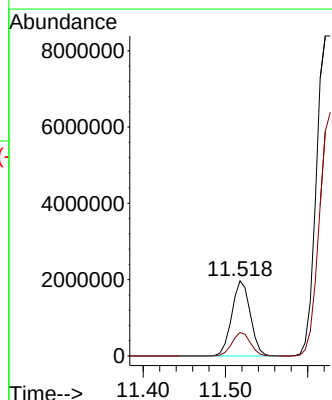
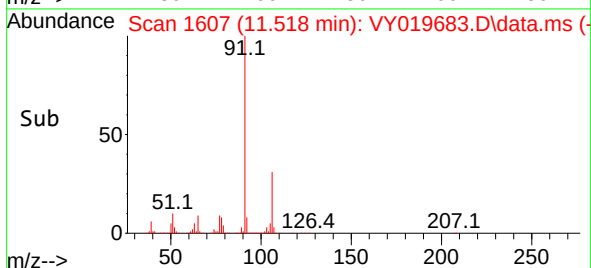
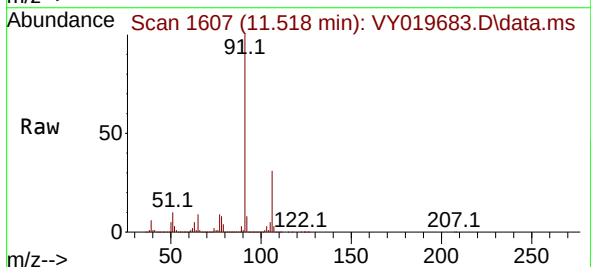
Manual Integrations
APPROVED

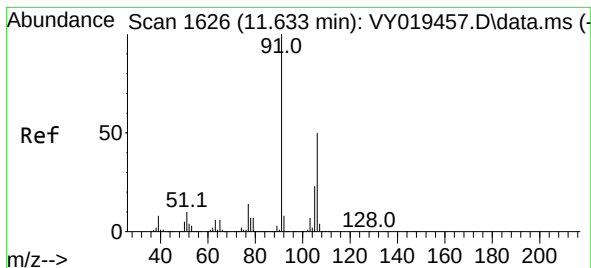
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024



#67
Ethyl Benzene
Concen: 436.078 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.006 min
Lab File: VY019683.D
Acq: 24 Sep 2024 15:31

Tgt Ion: 91 Resp: 3074246
Ion Ratio Lower Upper
91 100
106 31.3 24.5 36.7





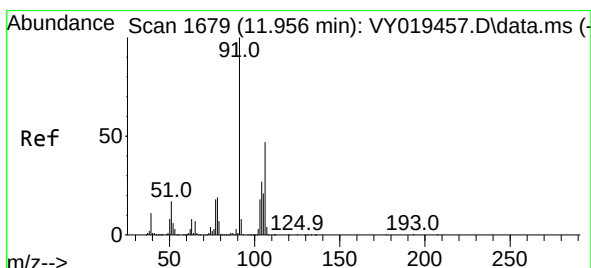
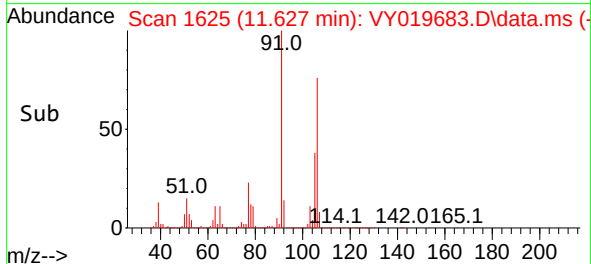
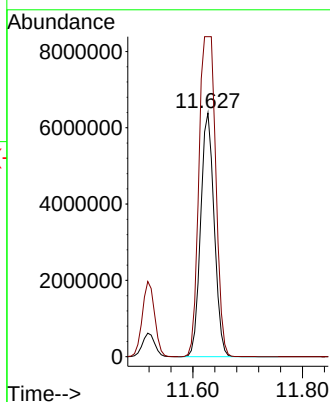
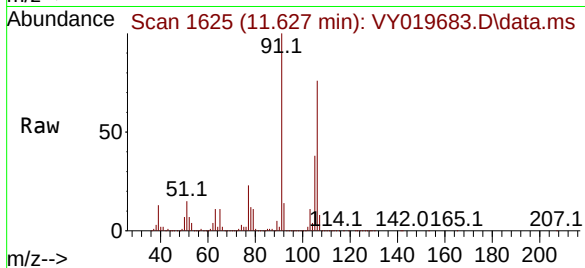
#68
m/p-Xylenes
Concen: 4096.299 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY019683.D
Acq: 24 Sep 2024 15:31

Instrument :
MSVOA_Y
ClientSampleId :
5-SBG

Tgt Ion:106 Resp:10919408
Ion Ratio Lower Upper
106 100
91 163.2 156.0 234.0

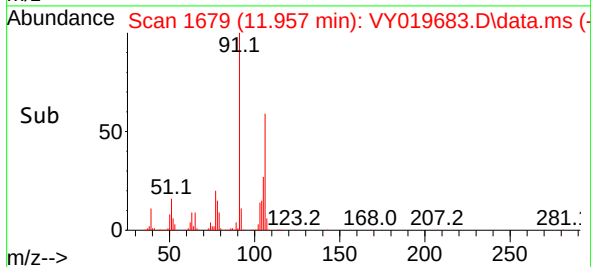
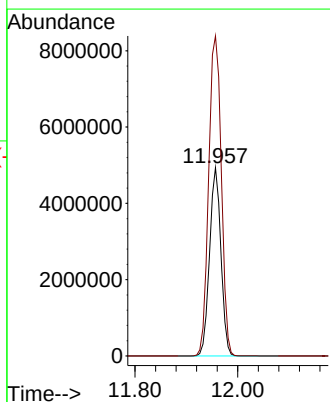
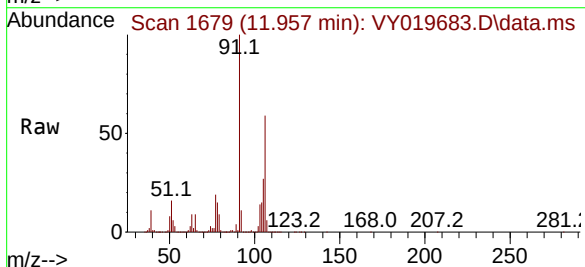
Manual Integrations
APPROVED

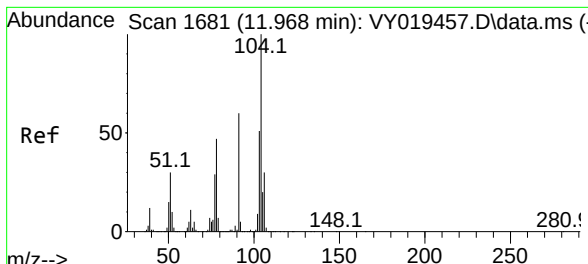
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024



#69
o-Xylene
Concen: 2894.013 ug/l
RT: 11.957 min Scan# 1679
Delta R.T. 0.001 min
Lab File: VY019683.D
Acq: 24 Sep 2024 15:31

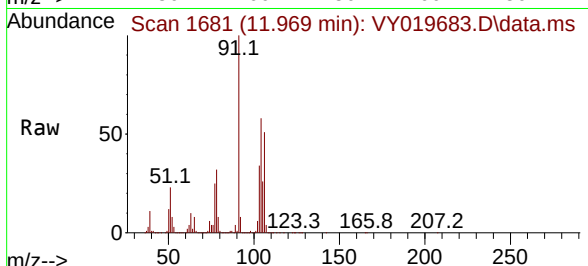
Tgt Ion:106 Resp: 7544564
Ion Ratio Lower Upper
106 100
91 189.2 103.6 310.8





#70
 Styrene
 Concen: 947.237 ug/l
 RT: 11.969 min Scan# 104
 Delta R.T. 0.001 min
 Lab File: VY019683.D
 Acq: 24 Sep 2024 15:31

Instrument : MSVOA_Y
 ClientSampleId : 5-SBG

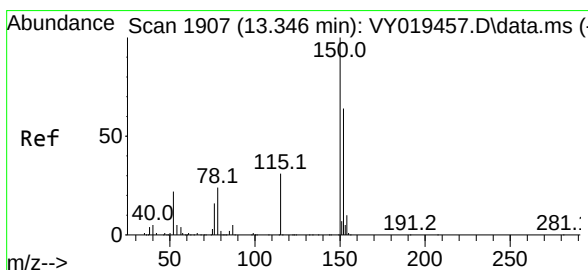
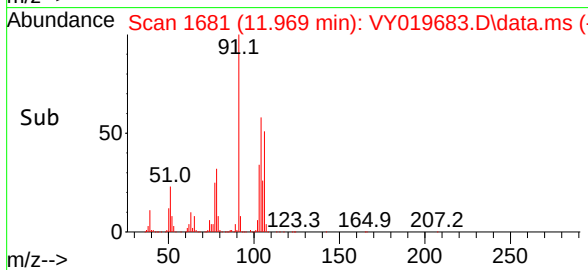
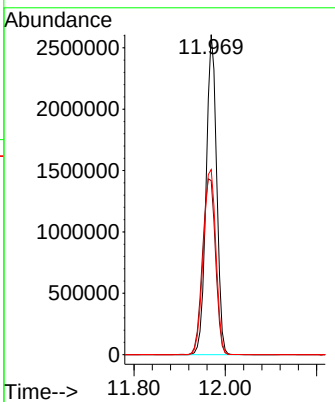


Tgt Ion:104 Resp: 4169264

Ion	Ratio	Lower	Upper
104	100		
78	67.9	37.0	55.4
103	69.3	44.2	66.2

Manual Integrations
 APPROVED

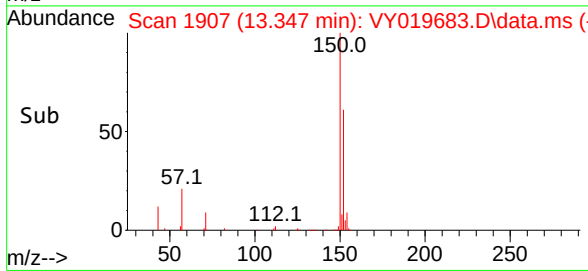
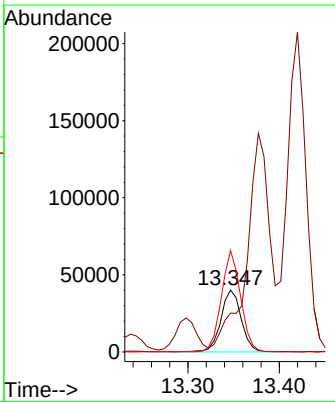
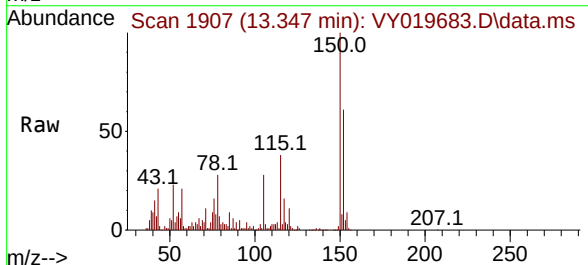
Reviewed By :Mahesh Dadoda 09/25/2024
 Supervised By :Semsettin Yesilyurt 09/25/2024

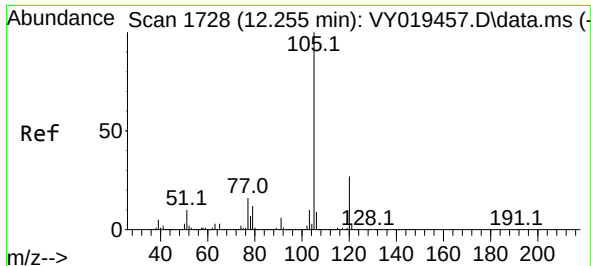


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.001 min
 Lab File: VY019683.D
 Acq: 24 Sep 2024 15:31

Tgt Ion:152 Resp: 62194

Ion	Ratio	Lower	Upper
152	100		
115	0.0	28.2	84.7
150	153.8	0.0	345.6





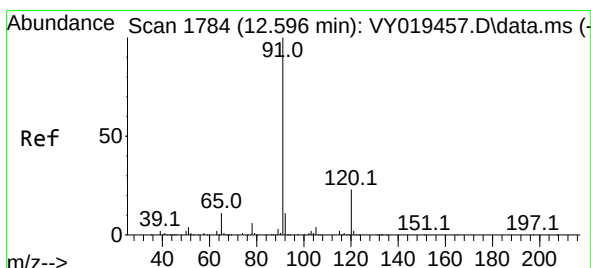
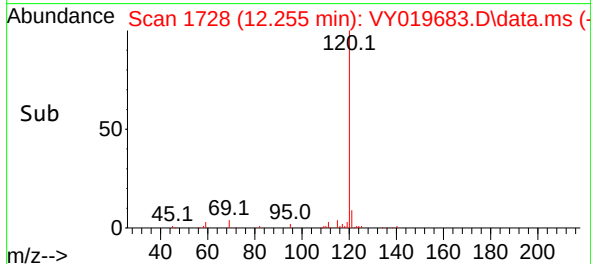
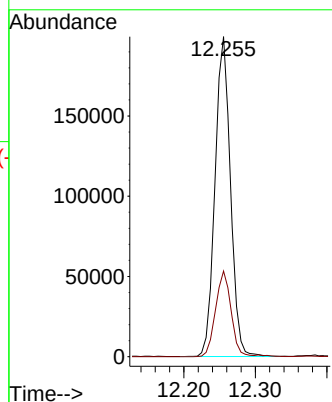
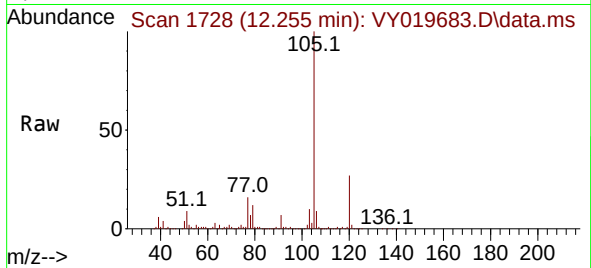
#73
Isopropylbenzene
Concen: 66.289 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. 0.001 min
Lab File: VY019683.D
Acq: 24 Sep 2024 15:31

Instrument :
MSVOA_Y
ClientSampleId :
5-SBG

Tgt Ion:105 Resp: 299097
Ion Ratio Lower Upper
105 100
120 26.7 13.4 40.1

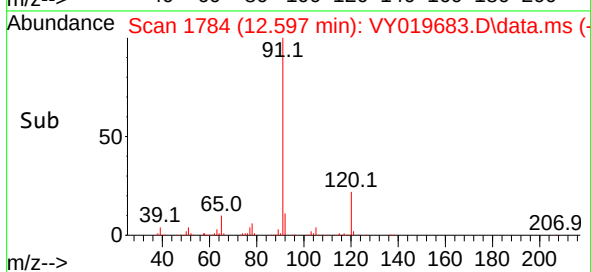
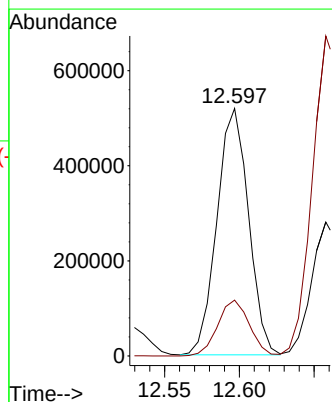
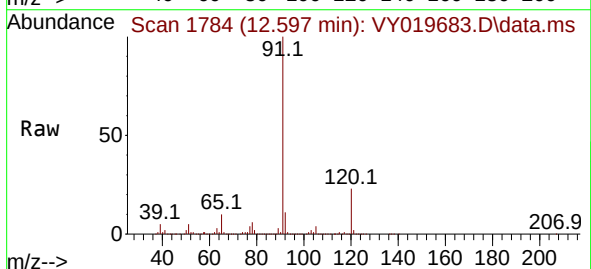
Manual Integrations
APPROVED

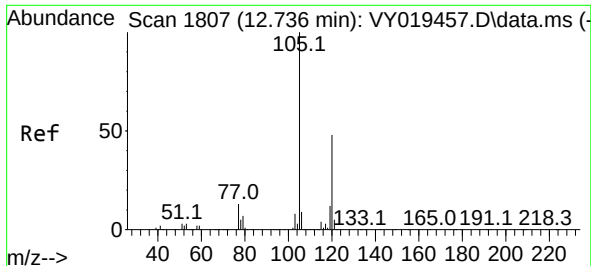
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024



#78
n-propylbenzene
Concen: 142.461 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.001 min
Lab File: VY019683.D
Acq: 24 Sep 2024 15:31

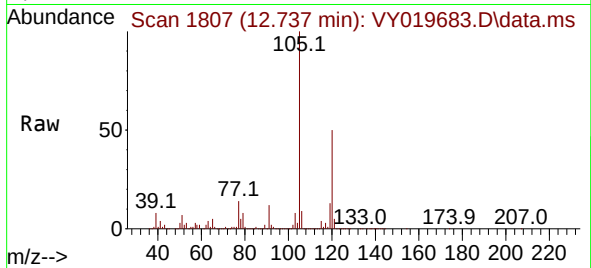
Tgt Ion: 91 Resp: 761869
Ion Ratio Lower Upper
91 100
120 22.8 11.5 34.4





#80
1,3,5-Trimethylbenzene
Concen: 1674.210 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.001 min
Lab File: VY019683.D
Acq: 24 Sep 2024 15:31

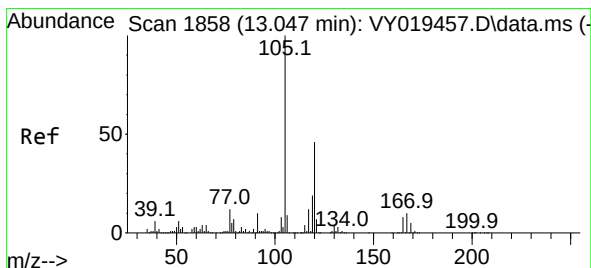
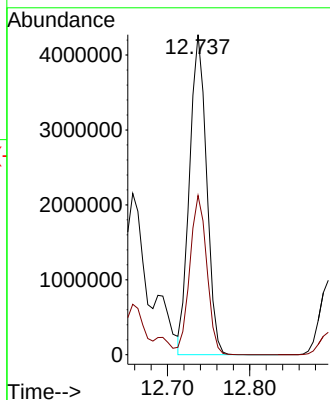
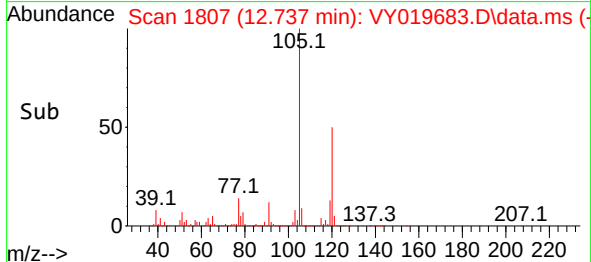
Instrument :
MSVOA_Y
ClientSampleId :
5-SBG



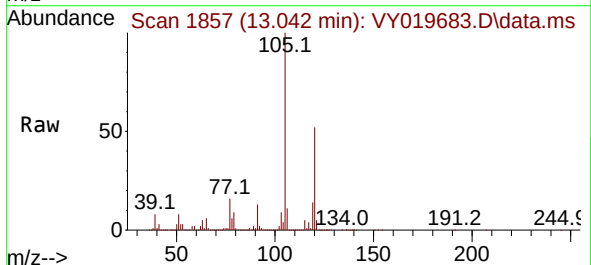
Tgt Ion:105 Resp: 6141089
Ion Ratio Lower Upper
105 100
120 50.1 25.1 75.2

Manual Integrations
APPROVED

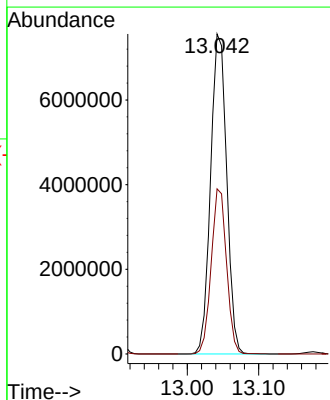
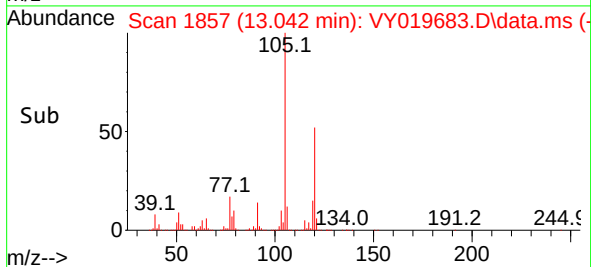
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024

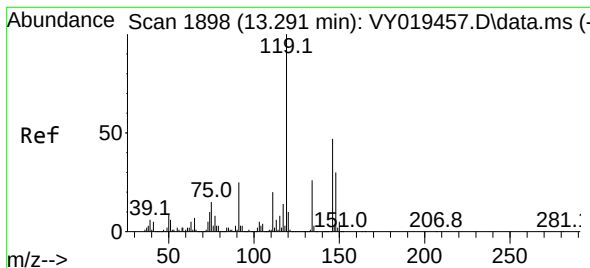


#84
1,2,4-Trimethylbenzene
Concen: 3247.531 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VY019683.D
Acq: 24 Sep 2024 15:31



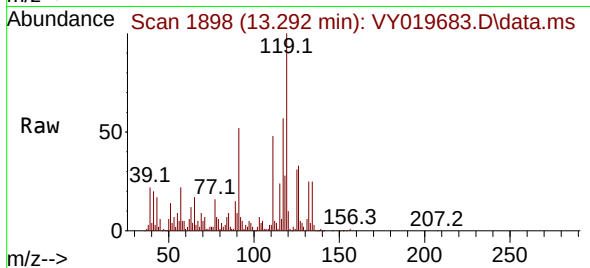
Tgt Ion:105 Resp:11791393
Ion Ratio Lower Upper
105 100
120 49.2 23.2 69.6





#86
p-Isopropyltoluene
Concen: 29.088 ug/l m
RT: 13.292 min Scan# 119
Delta R.T. 0.001 min
Lab File: VY019683.D
Acq: 24 Sep 2024 15:31

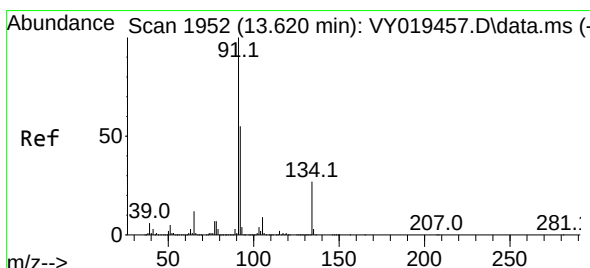
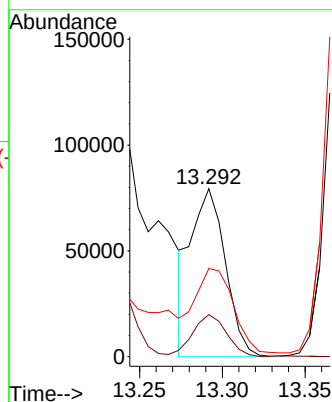
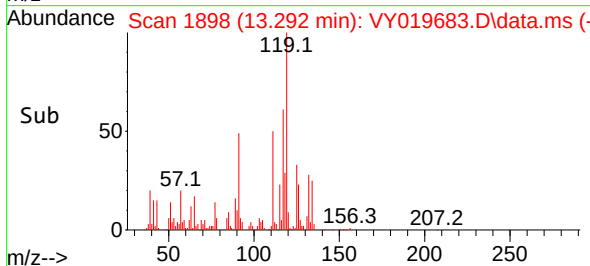
Instrument :
MSVOA_Y
ClientSampleId :
5-SBG



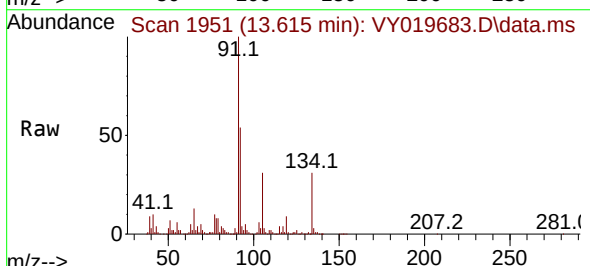
Tgt Ion:119 Resp: 11480
Ion Ratio Lower Upper
119 100
134 42.9 13.1 39.3
91 63.7 10.7 32.1

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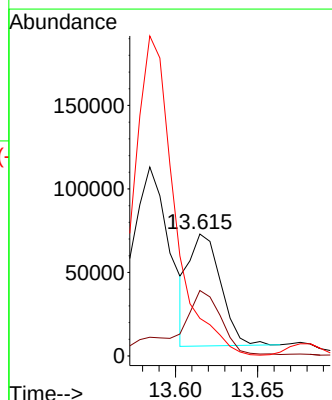
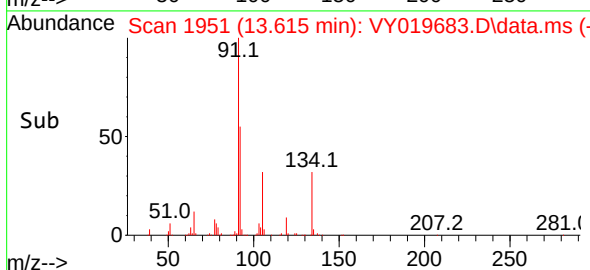
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024

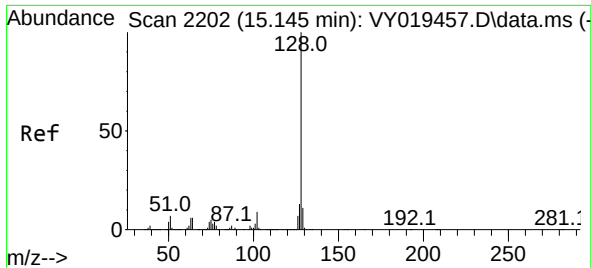


#89
n-Butylbenzene
Concen: 23.706 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. -0.006 min
Lab File: VY019683.D
Acq: 24 Sep 2024 15:31



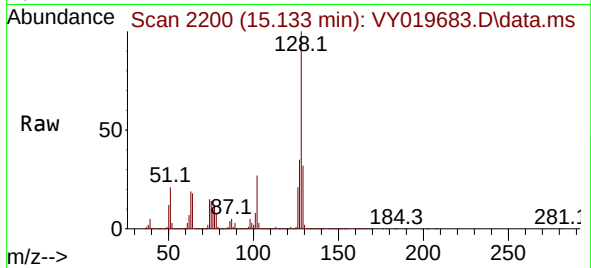
Tgt Ion: 91 Resp: 89445
Ion Ratio Lower Upper
91 100
92 76.9 26.6 79.7
134 0.0 12.9 38.7





#95
Naphthalene
Concen: 12710.338 ug/l m
RT: 15.133 min Scan# 2200
Delta R.T. -0.012 min
Lab File: VY019683.D
Acq: 24 Sep 2024 15:31

Instrument :
MSVOA_Y
ClientSampleId :
5-SBG



Tgt Ion:128 Resp:2686230
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0
129 0.0 8.6 13.0

Manual Integrations
APPROVED

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

