

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102022\
 Data File : VY011032.D
 Acq On : 20 Oct 2022 17:51
 Operator : KP/MD
 Sample : N5193-11
 Misc : 5.24g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LSP-SS-06-20-40

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/21/2022
 Supervised By :Mahesh Dadoda 10/21/2022

Quant Time: Oct 20 22:25:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	176546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	359722	50.000	ug/l	# 0.00
63) Chlorobenzene-d5	11.502	117	215146	50.000	ug/l	# 0.01
72) 1,4-Dichlorobenzene-d4	13.404	152	218146	50.000	ug/l	#-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	146939	90.355	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 180.700%#			
35) Dibromofluoromethane	7.722	113	123218	61.965	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 123.940%			
50) Toluene-d8	10.197	98	5933215	789.937	ug/l	0.02
Spiked Amount 50.000	Range 49 - 140		Recovery = 1579.880%#			
62) 4-Bromofluorobenzene	12.489	95	3452598	1379.348	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 2758.700%#			
Target Compounds					Qvalue	
16) Acetone	3.942	43	200530	424.619	ug/l #	86
17) Carbon Disulfide	4.198	76	128576	26.188	ug/l	98
25) 2-Butanone	6.990	43	275177	384.224	ug/l #	66
31) Cyclohexane	7.789	56	10795256	3468.929	ug/l #	81
39) Methylcyclohexane	9.203	83	34172001	8519.898	ug/l #	84
40) Benzene	8.167	78	614182	62.509	ug/l	96
52) Toluene	10.258	92	305293	50.015	ug/l #	10
68) m/p-Xylenes	11.727	106	743078	247.196	ug/l #	63
69) o-Xylene	12.050	106	195557	68.511	ug/l	34
73) Isopropylbenzene	12.337	105	23024084	1452.740	ug/l #	74
78) n-propylbenzene	12.666	91	28742709m	1490.587	ug/l	
83) tert-Butylbenzene	13.081	119	1278463	111.803	ug/l	90
84) 1,2,4-Trimethylbenzene	13.123	105	400847m	30.741	ug/l	
85) sec-Butylbenzene	13.257	105	12462490	725.279	ug/l #	37
86) p-Isopropyltoluene	13.373	119	144762m	10.155	ug/l	
89) n-Butylbenzene	13.696	91	11361522	852.936	ug/l #	87

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

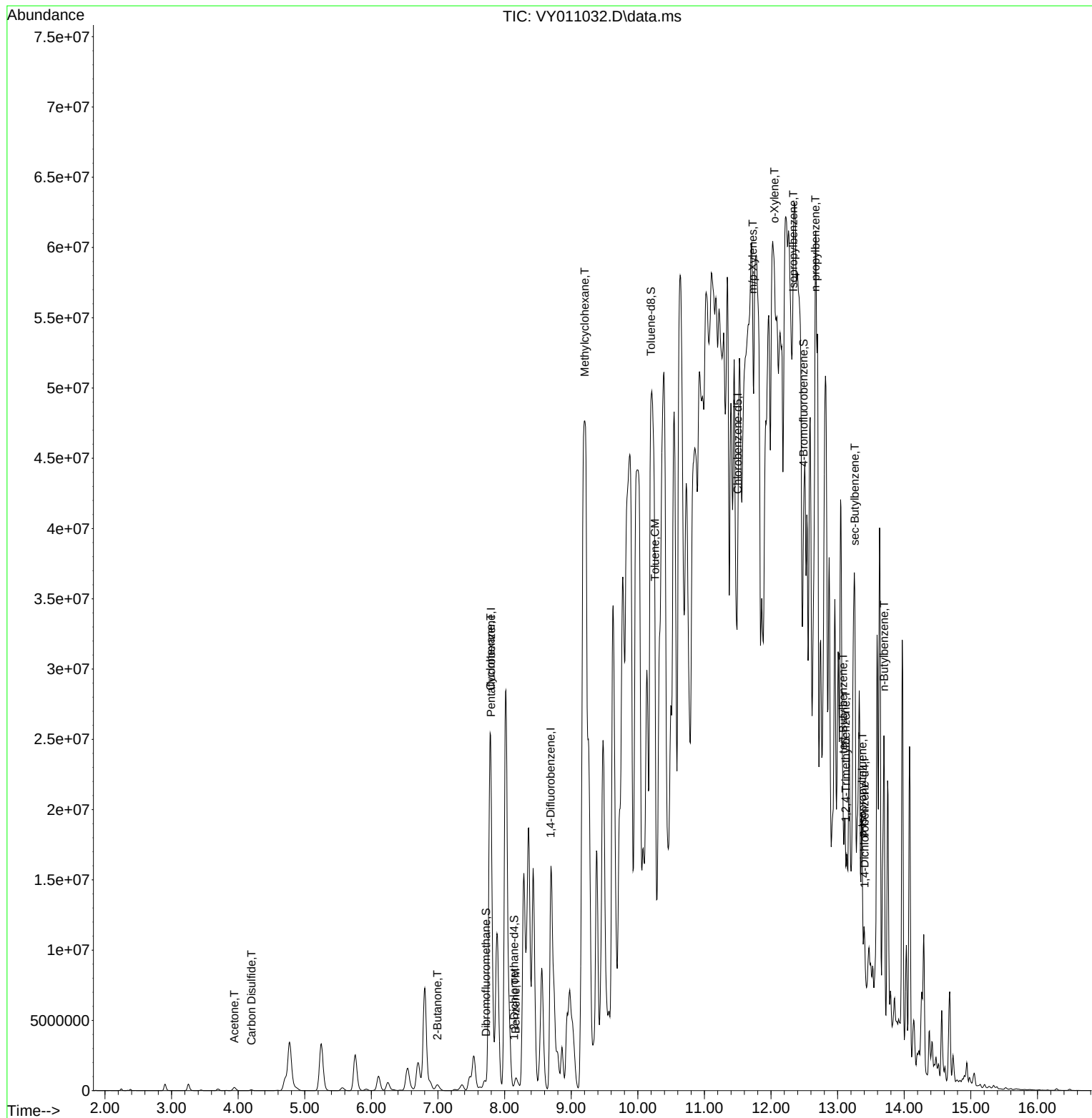
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102022\
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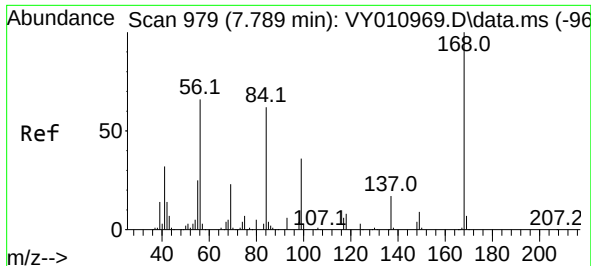
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-06-20-40

Quant Time: Oct 20 22:25:20 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
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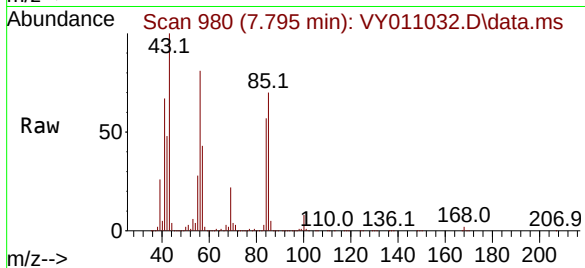
Reviewed By :Krupa Patel 10/21/2022
Supervised By :Mahesh Dadoda 10/21/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY011032.D
Acq: 20 Oct 2022 17:51

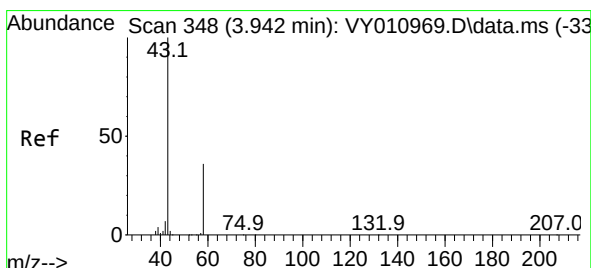
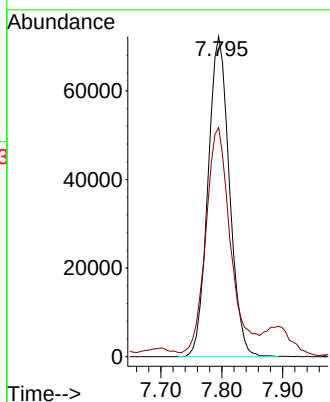
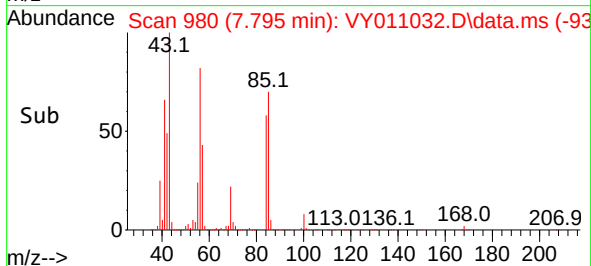
Instrument :
MSVOA_Y
Client Sample Id :
LSP-SS-06-20-40



Tgt Ion: 168 Resp: 176540
Ion Ratio Lower Upper
168 100
99 70.3 46.9 70.3

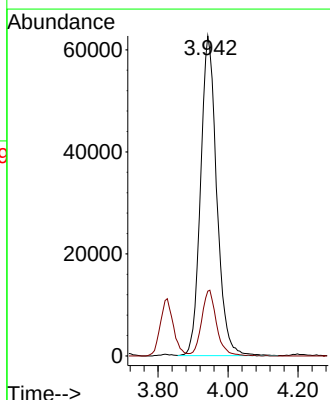
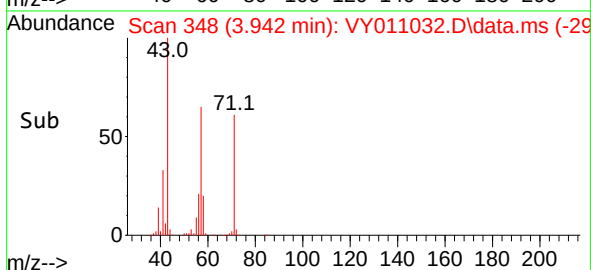
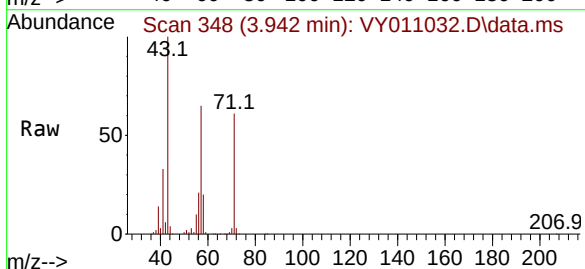
Manual Integrations
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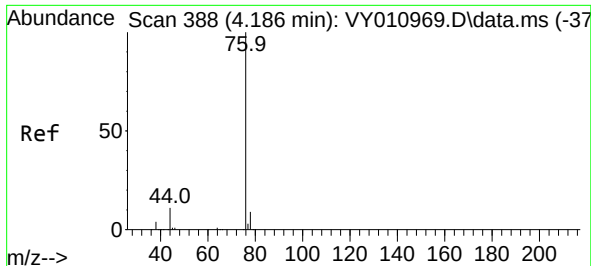
Reviewed By :Krupa Patel 10/21/2022
Supervised By :Mahesh Dadoda 10/21/2022



#16
Acetone
Concen: 424.619 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY011032.D
Acq: 20 Oct 2022 17:51

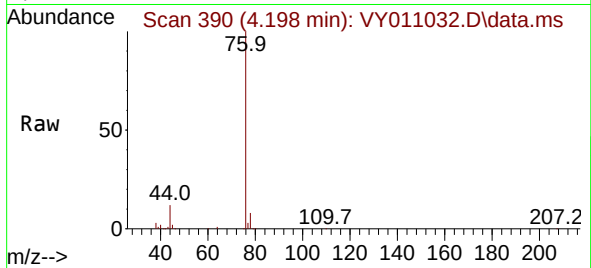
Tgt Ion: 43 Resp: 200530
Ion Ratio Lower Upper
43 100
58 20.3 22.0 33.0#





#17
Carbon Disulfide
Concen: 26.188 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.012 min
Lab File: VY011032.D
Acq: 20 Oct 2022 17:51

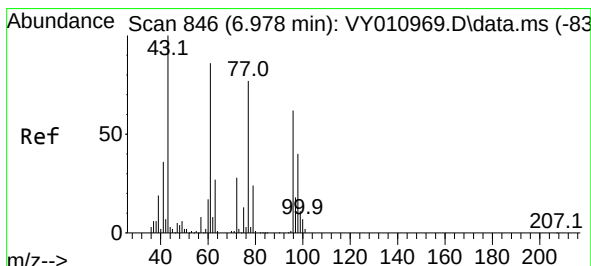
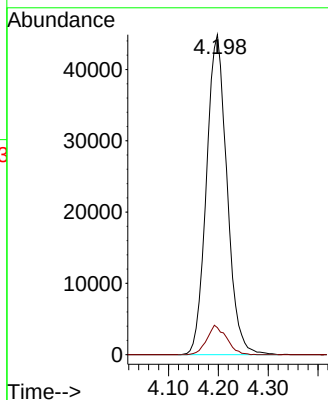
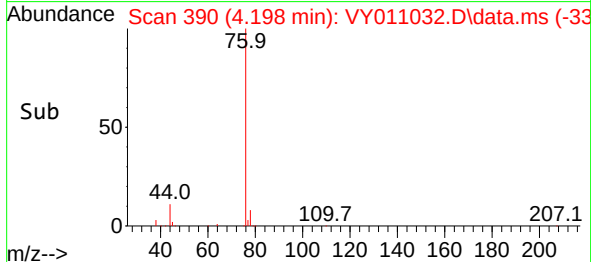
Instrument :
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LSP-SS-06-20-40



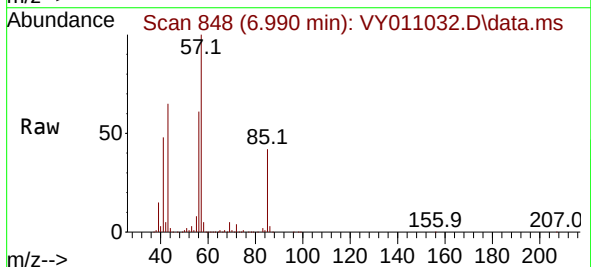
Tgt Ion: 76 Resp: 128570
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.0

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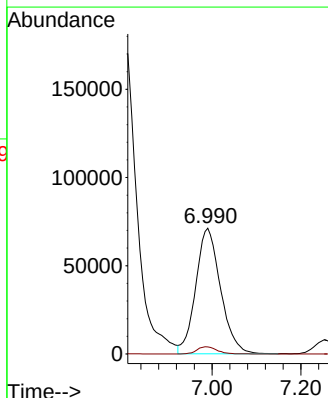
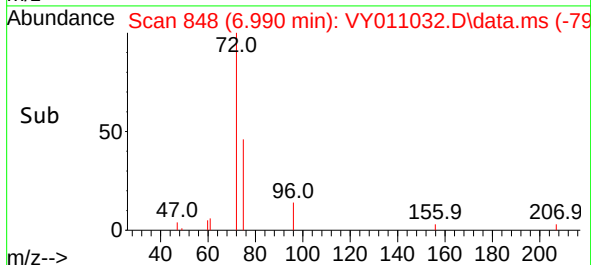
Reviewed By :Krupa Patel 10/21/2022
Supervised By :Mahesh Dadoda 10/21/2022

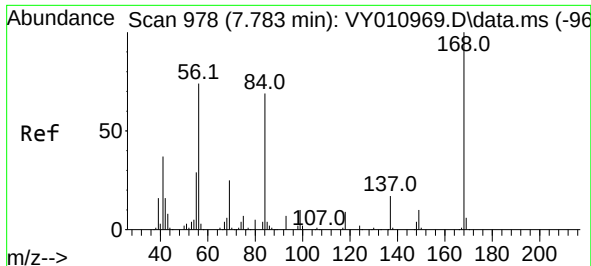


#25
2-Butanone
Concen: 384.224 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY011032.D
Acq: 20 Oct 2022 17:51



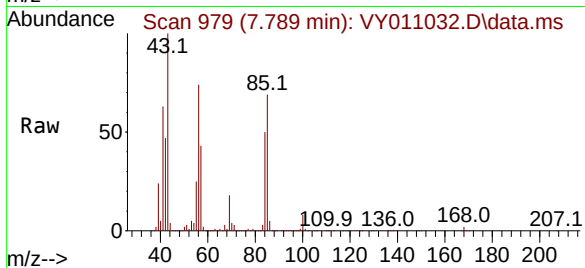
Tgt Ion: 43 Resp: 275177
Ion Ratio Lower Upper
43 100
72 5.7 17.7 26.5#





#31
Cyclohexane
Concen: 3468.929 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011032.D
Acq: 20 Oct 2022 17:51

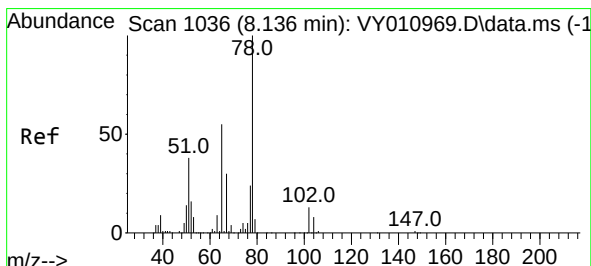
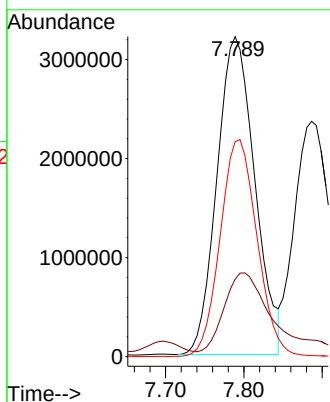
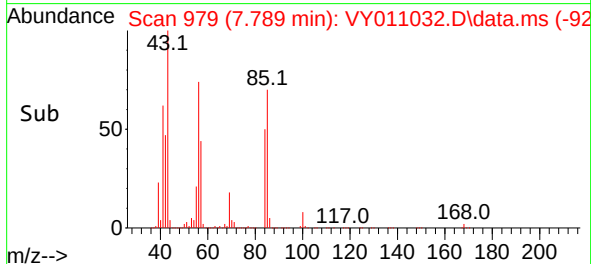
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-06-20-40



Tgt Ion: 56 Resp:1079525
Ion Ratio Lower Upper
56 100
69 20.9 26.7 40.1
84 67.6 67.2 100.8

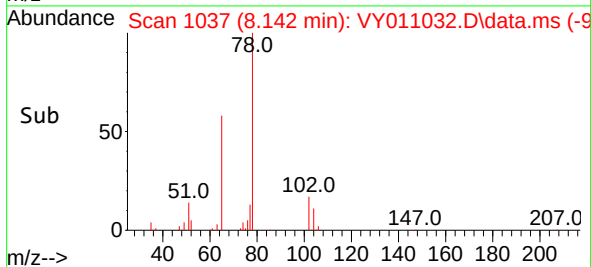
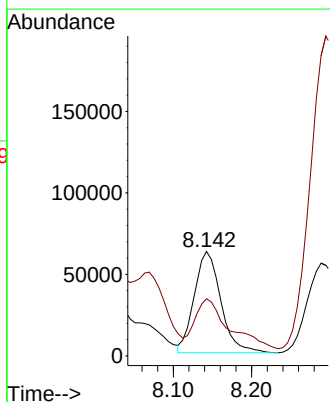
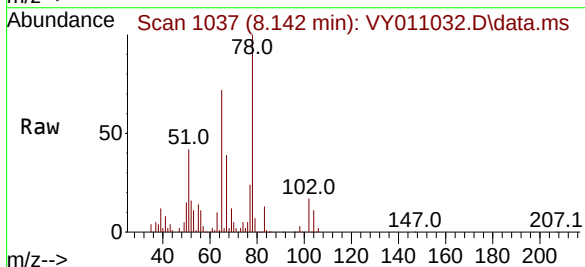
Manual Integrations
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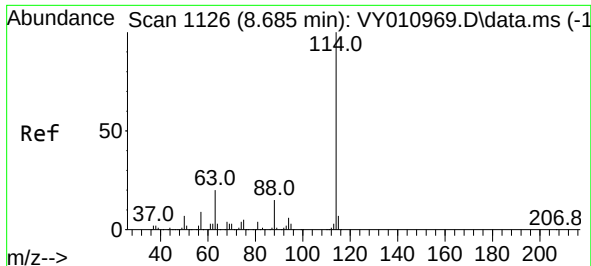
Reviewed By :Krupa Patel 10/21/2022
Supervised By :Mahesh Dadoda 10/21/2022



#33
1,2-Dichloroethane-d4
Concen: 90.355 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY011032.D
Acq: 20 Oct 2022 17:51

Tgt Ion: 65 Resp: 146939
Ion Ratio Lower Upper
65 100
67 62.7 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY011032.D

Acq: 20 Oct 2022 17:51

Instrument :

MSVOA_Y

ClientSampleId :

LSP-SS-06-20-40

Tgt Ion:114 Resp: 35972

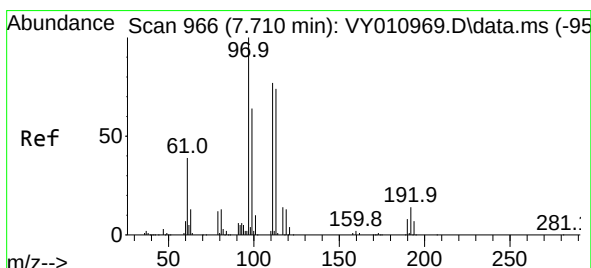
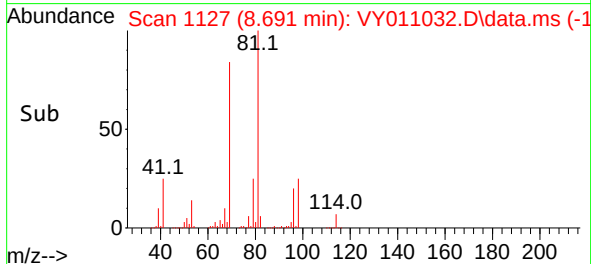
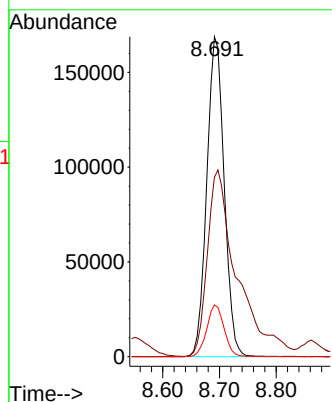
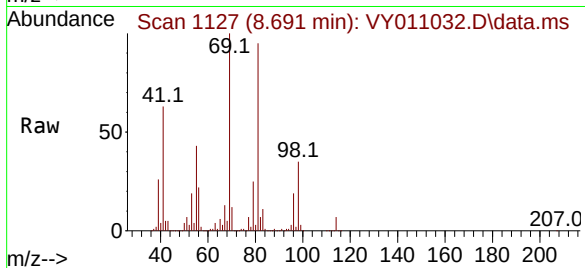
Ion	Ratio	Lower	Upper
114	100		
63	56.0	0.0	43.2
88	16.1	0.0	31.8

Manual Integrations

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Reviewed By :Krupa Patel 10/21/2022

Supervised By :Mahesh Dadoda 10/21/2022



#35

Dibromofluoromethane

Concen: 61.965 ug/l

RT: 7.722 min Scan# 968

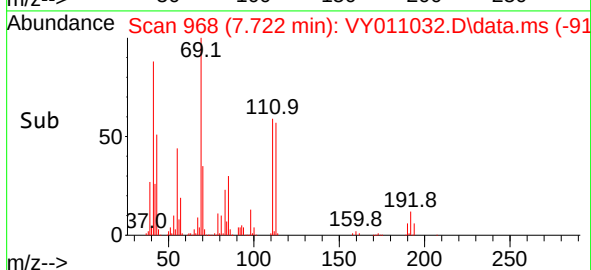
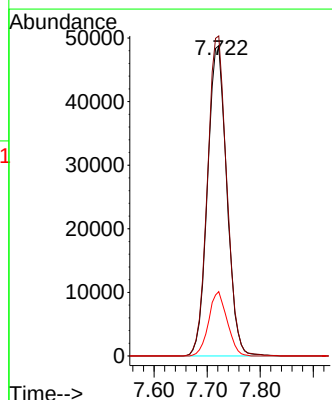
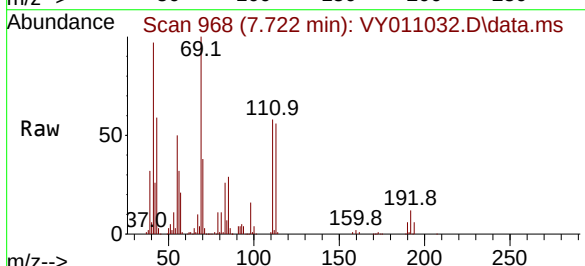
Delta R.T. 0.012 min

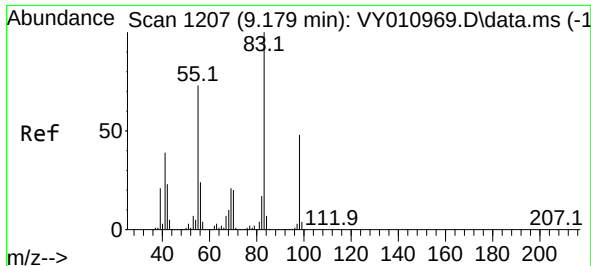
Lab File: VY011032.D

Acq: 20 Oct 2022 17:51

Tgt Ion:113 Resp: 123218

Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.6	124.0
192	19.9	17.6	26.4





#39

Methylcyclohexane

Concen: 8519.898 ug/l

RT: 9.203 min Scan# 1041

Delta R.T. 0.024 min

Lab File: VY011032.D

Acq: 20 Oct 2022 17:51

Instrument :

MSVOA_Y

ClientSampleId :

LSP-SS-06-20-40

Tgt Ion: 83 Resp: 3417200

Ion Ratio Lower Upper

83 100

55 73.8 66.5 99.7

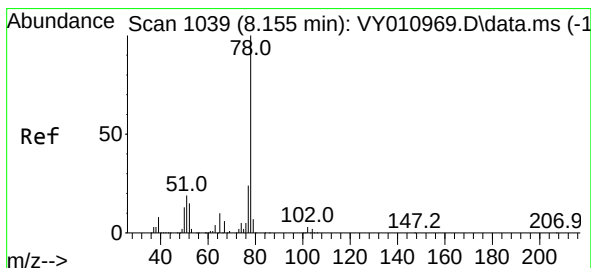
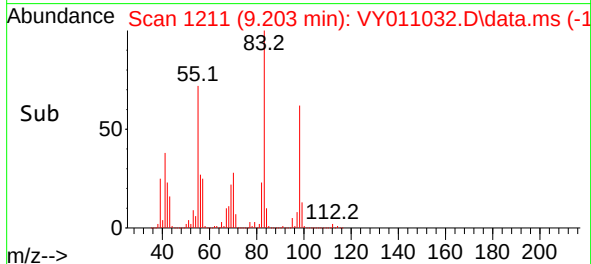
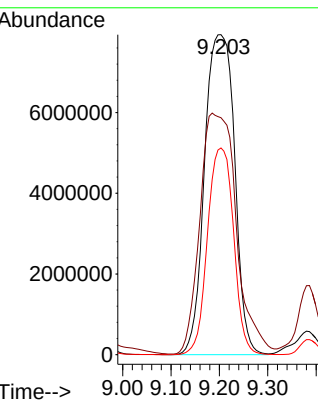
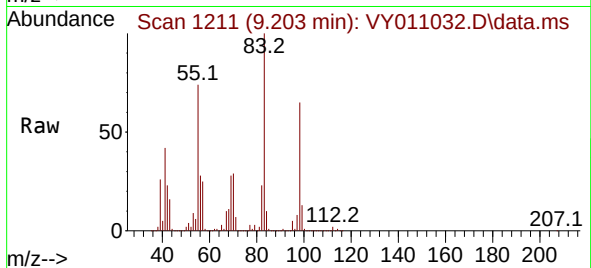
98 64.6 37.9 56.9

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 10/21/2022

Supervised By :Mahesh Dadoda 10/21/2022



#40

Benzene

Concen: 62.509 ug/l

RT: 8.167 min Scan# 1041

Delta R.T. 0.012 min

Lab File: VY011032.D

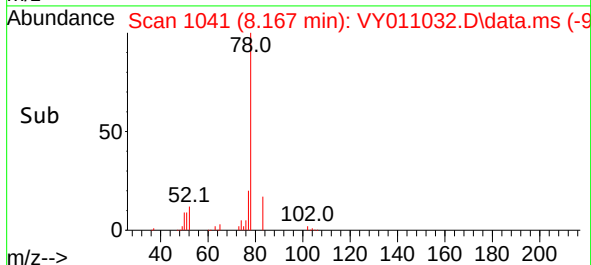
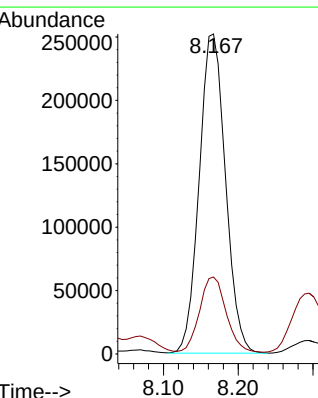
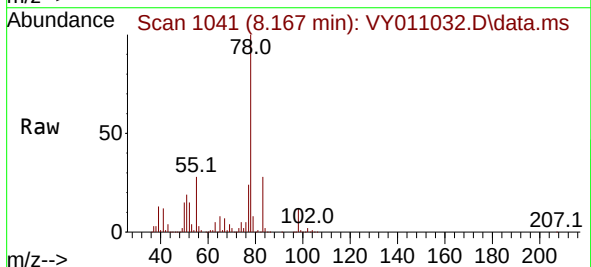
Acq: 20 Oct 2022 17:51

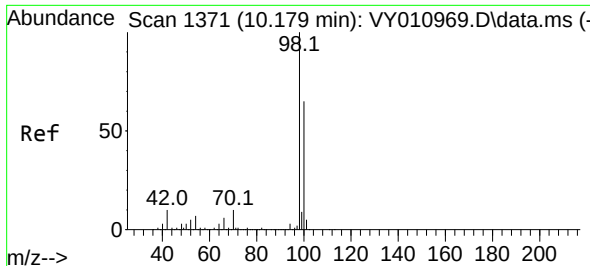
Tgt Ion: 78 Resp: 614182

Ion Ratio Lower Upper

78 100

77 23.5 20.4 30.6





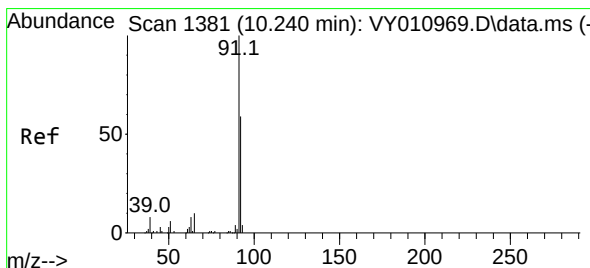
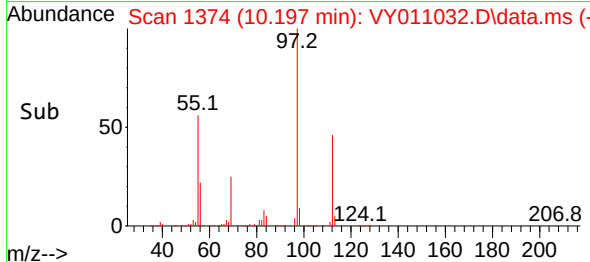
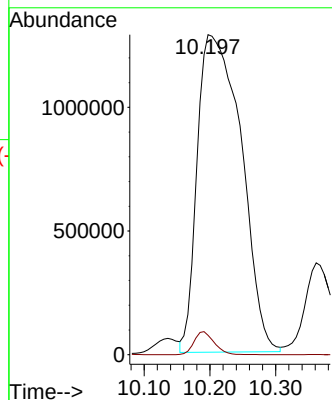
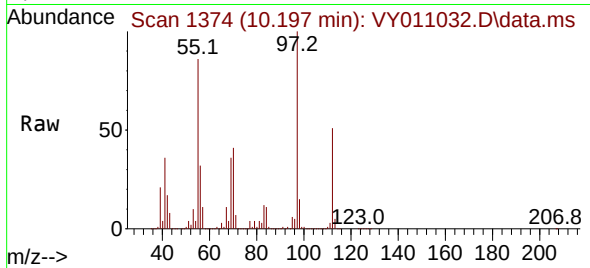
#50
Toluene-d8
Concen: 789.937 ug/l
RT: 10.197 min Scan# 1374
Delta R.T. 0.018 min
Lab File: VY011032.D
Acq: 20 Oct 2022 17:51

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ClientSampleId :
LSP-SS-06-20-40

Tgt Ion: 98 Resp: 5933215
Ion Ratio Lower Upper
98 100
100 3.3 50.2 75.2

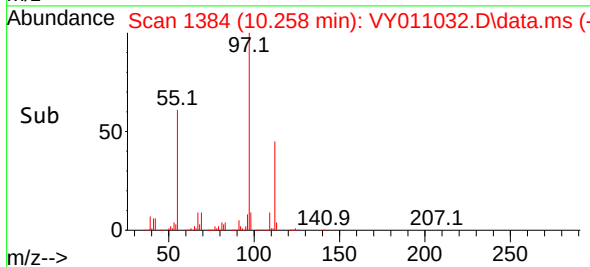
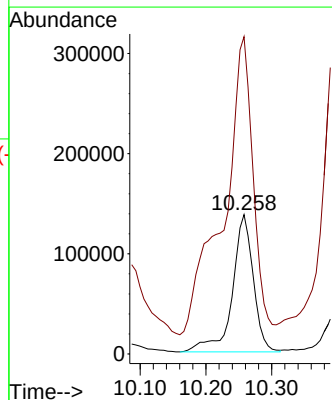
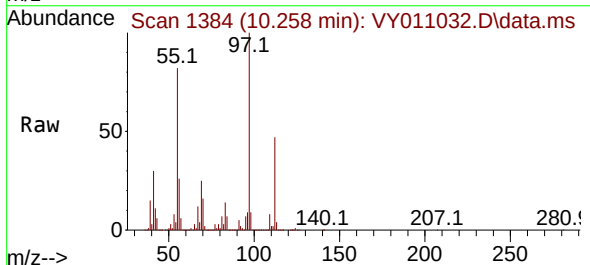
Manual Integrations
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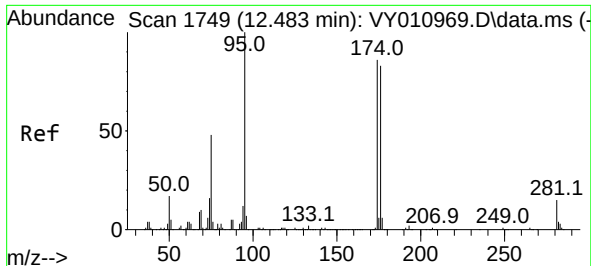
Reviewed By :Krupa Patel 10/21/2022
Supervised By :Mahesh Dadoda 10/21/2022



#52
Toluene
Concen: 50.015 ug/l
RT: 10.258 min Scan# 1384
Delta R.T. 0.018 min
Lab File: VY011032.D
Acq: 20 Oct 2022 17:51

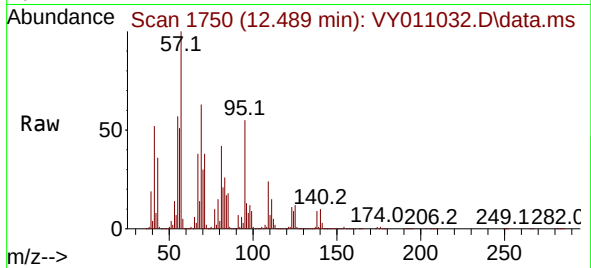
Tgt Ion: 92 Resp: 305293
Ion Ratio Lower Upper
92 100
91 305.7 142.6 213.8





#62
4-Bromofluorobenzene
Concen: 1379.348 ug/l
RT: 12.489 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY011032.D
Acq: 20 Oct 2022 17:51

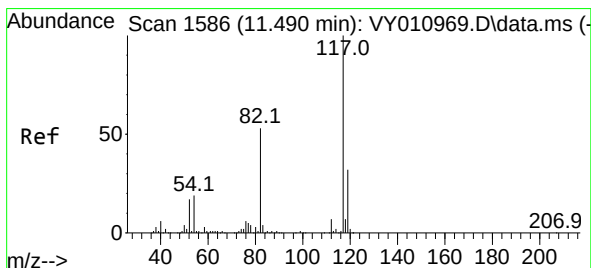
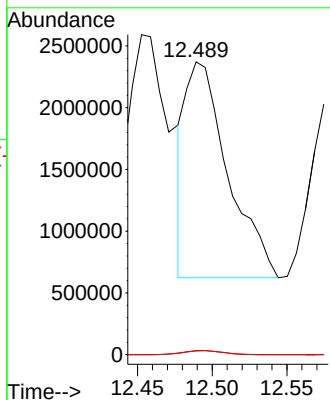
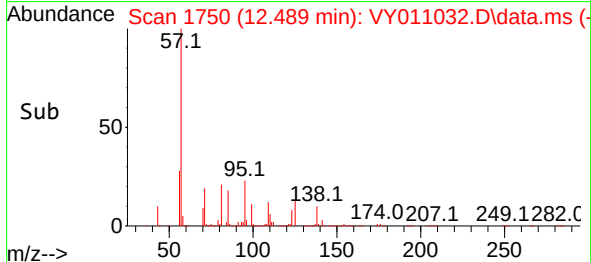
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-06-20-40



Tgt Ion: 95 Resp: 3452598
Ion Ratio Lower Upper
95 100
174 1.8 0.0 177.0
176 1.7 0.0 175.8

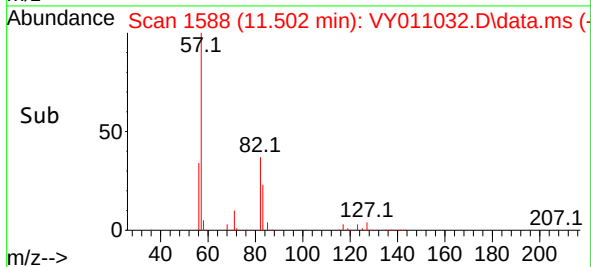
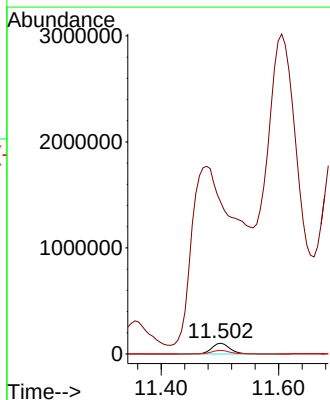
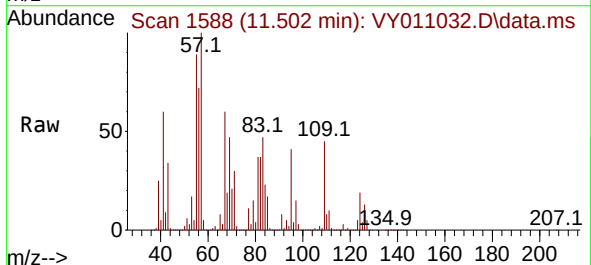
Manual Integrations
APPROVED

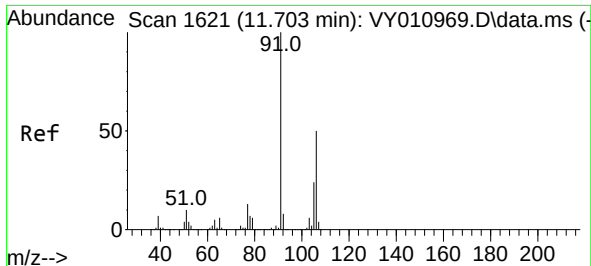
Reviewed By :Krupa Patel 10/21/2022
Supervised By :Mahesh Dadoda 10/21/2022



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.012 min
Lab File: VY011032.D
Acq: 20 Oct 2022 17:51

Tgt Ion:117 Resp: 215146
Ion Ratio Lower Upper
117 100
82 1278.4 43.0 64.4#
119 32.7 25.4 38.0





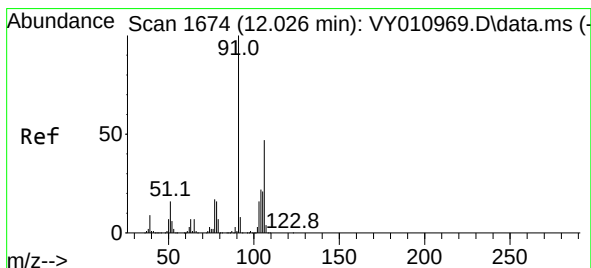
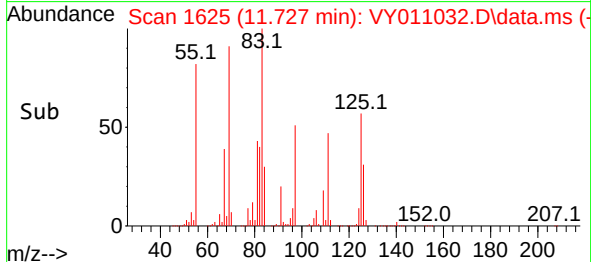
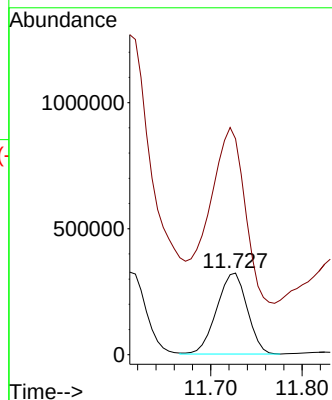
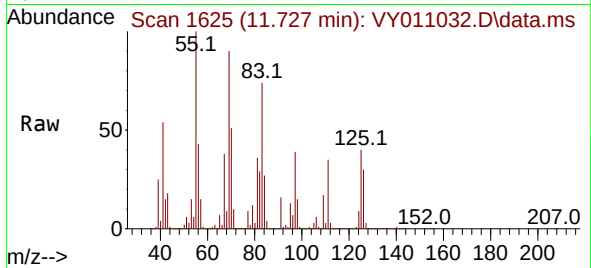
#68
m/p-Xylenes
Concen: 247.196 ug/l
RT: 11.727 min Scan# 1625
Delta R.T. 0.024 min
Lab File: VY011032.D
Acq: 20 Oct 2022 17:51

Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-06-20-40

Tgt Ion:106 Resp: 743078
Ion Ratio Lower Upper
106 100
91 266.2 166.6 249.8

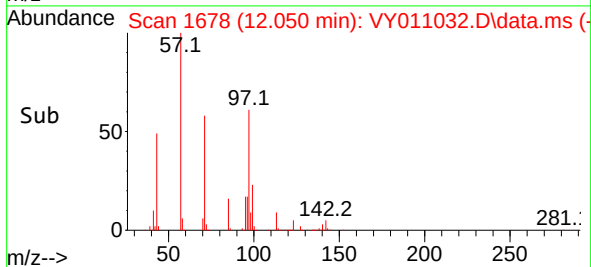
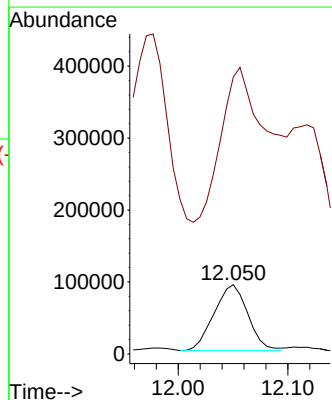
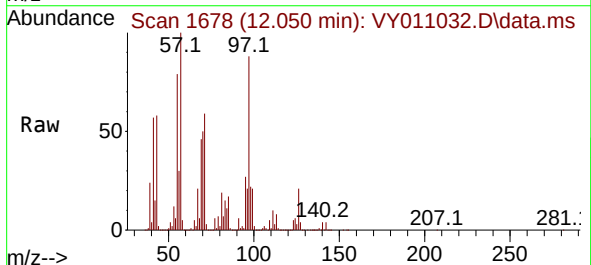
Manual Integrations
APPROVED

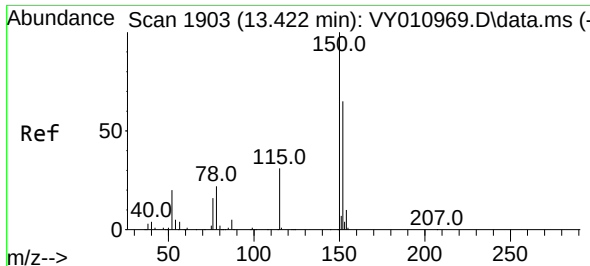
Reviewed By :Krupa Patel 10/21/2022
Supervised By :Mahesh Dadoda 10/21/2022



#69
o-Xylene
Concen: 68.511 ug/l
RT: 12.050 min Scan# 1678
Delta R.T. 0.024 min
Lab File: VY011032.D
Acq: 20 Oct 2022 17:51

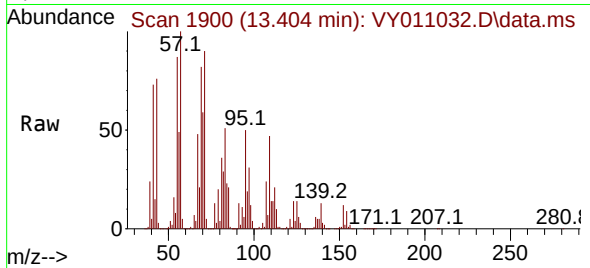
Tgt Ion:106 Resp: 195557
Ion Ratio Lower Upper
106 100
91 327.3 110.3 331.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.404 min Scan# 1900
Delta R.T. -0.018 min
Lab File: VY011032.D
Acq: 20 Oct 2022 17:51

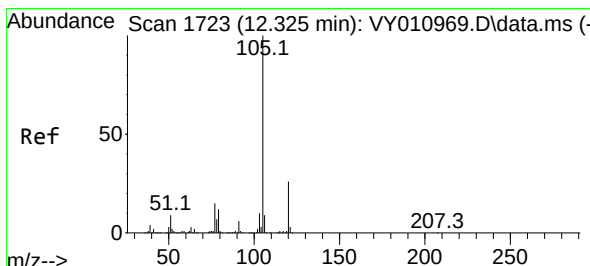
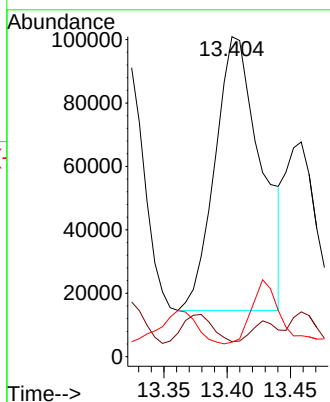
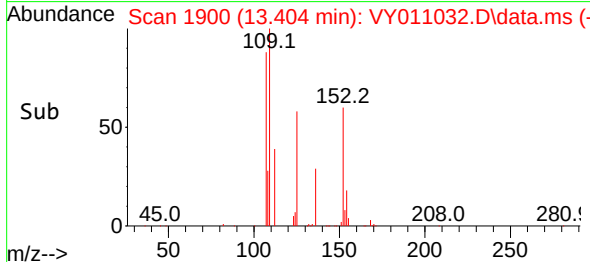
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-06-20-40



Tgt Ion:152 Resp: 218140
Ion Ratio Lower Upper
152 100
115 0.0 28.2 84.7
150 0.0 0.0 347.6

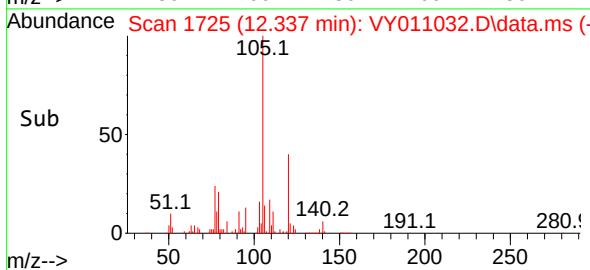
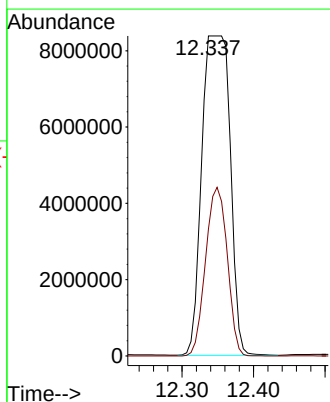
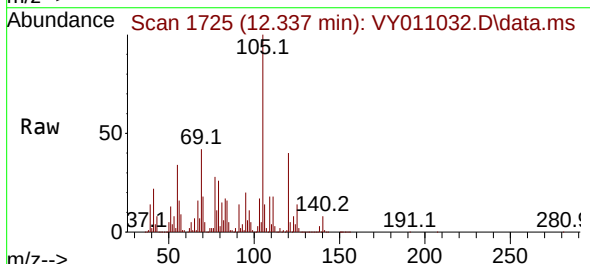
Manual Integrations
APPROVED

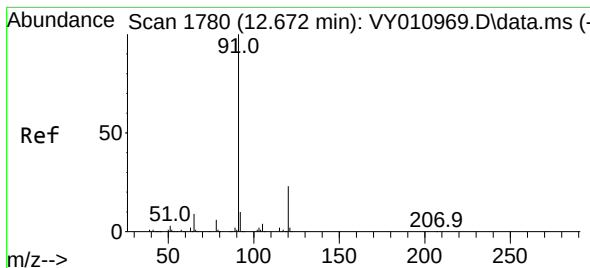
Reviewed By :Krupa Patel 10/21/2022
Supervised By :Mahesh Dadoda 10/21/2022



#73
Isopropylbenzene
Concen: 1452.740 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.012 min
Lab File: VY011032.D
Acq: 20 Oct 2022 17:51

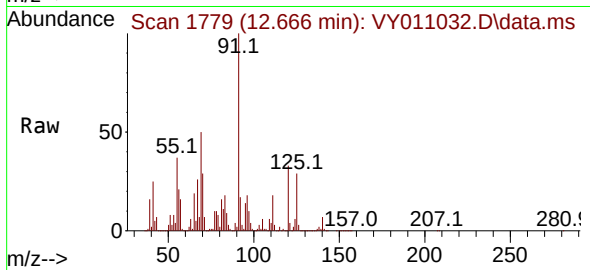
Tgt Ion:105 Resp:23024084
Ion Ratio Lower Upper
105 100
120 40.4 13.4 40.2





#78
n-propylbenzene
Concen: 1490.587 ug/l m
RT: 12.666 min Scan# 1779
Delta R.T. -0.006 min
Lab File: VY011032.D
Acq: 20 Oct 2022 17:51

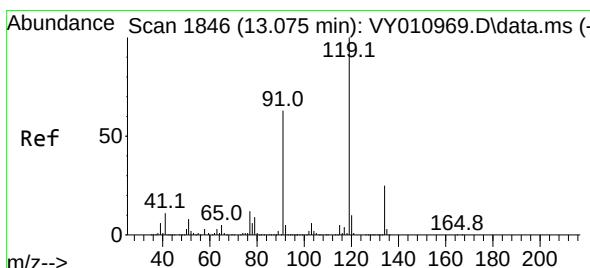
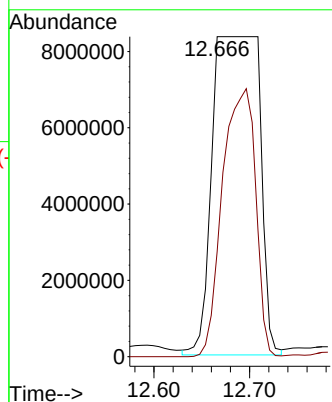
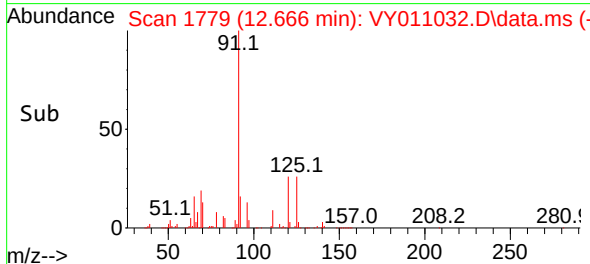
Instrument :
MSVOA_Y
ClientSampleId :
LSP-SS-06-20-40



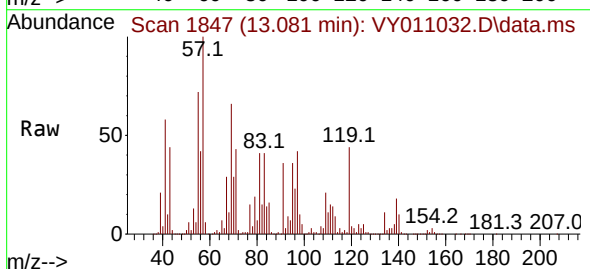
Tgt Ion: 91 Resp: 28742709
Ion Ratio Lower Upper
91 100
120 0.0 11.3 33.9

Manual Integrations
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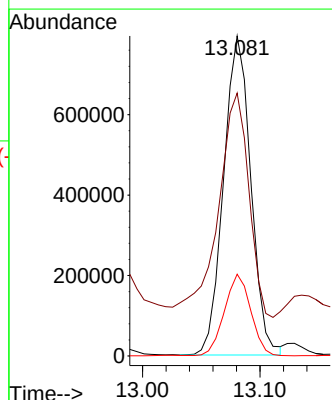
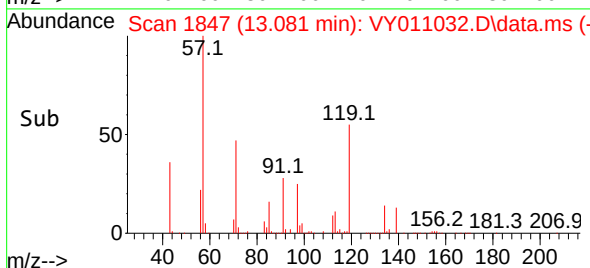
Reviewed By :Krupa Patel 10/21/2022
Supervised By :Mahesh Dadoda 10/21/2022

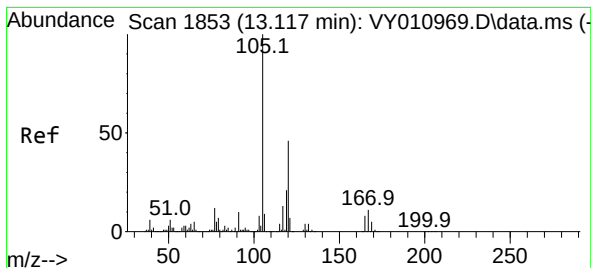


#83
tert-Butylbenzene
Concen: 111.803 ug/l
RT: 13.081 min Scan# 1847
Delta R.T. 0.006 min
Lab File: VY011032.D
Acq: 20 Oct 2022 17:51



Tgt Ion: 119 Resp: 1278463
Ion Ratio Lower Upper
119 100
91 79.3 34.8 104.4
134 24.6 13.3 39.9





#84

1,2,4-Trimethylbenzene

Concen: 30.741 ug/l m

RT: 13.123 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VY011032.D

Acq: 20 Oct 2022 17:51

Instrument :

MSVOA_Y

ClientSampleId :

LSP-SS-06-20-40

Tgt Ion:105 Resp: 40084

Ion Ratio Lower Upper

105 100

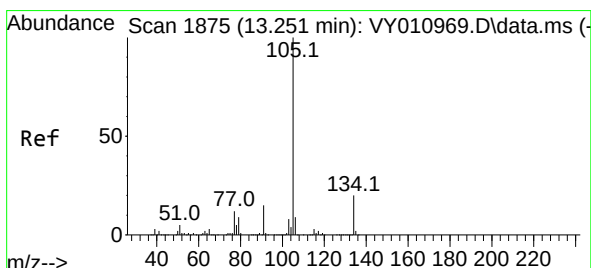
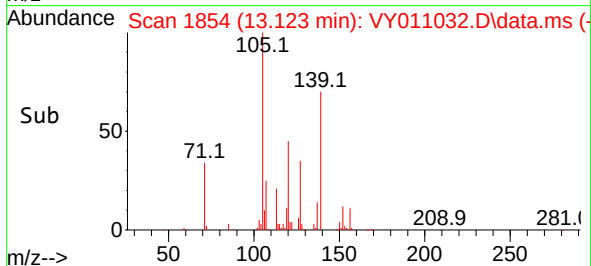
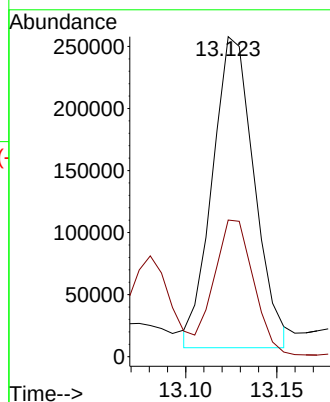
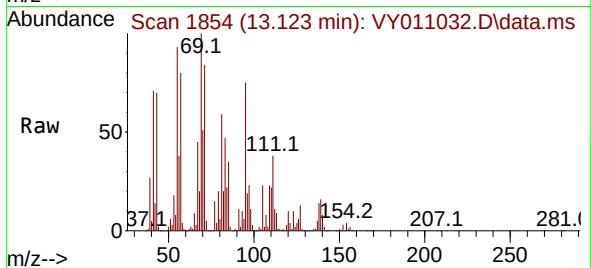
120 151.1 22.3 66.9

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 10/21/2022

Supervised By :Mahesh Dadoda 10/21/2022



#85

sec-Butylbenzene

Concen: 725.279 ug/l

RT: 13.257 min Scan# 1876

Delta R.T. 0.006 min

Lab File: VY011032.D

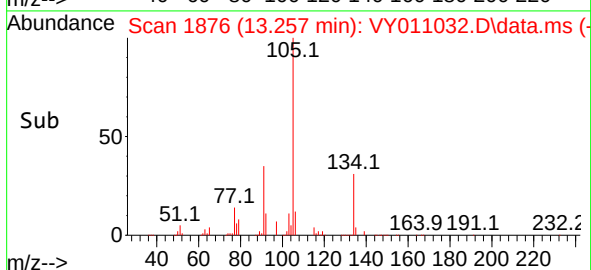
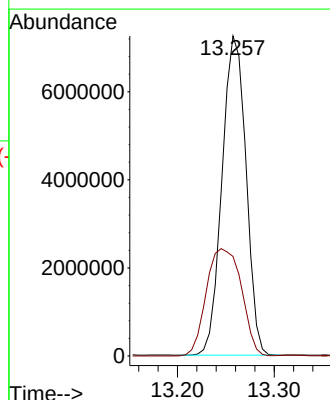
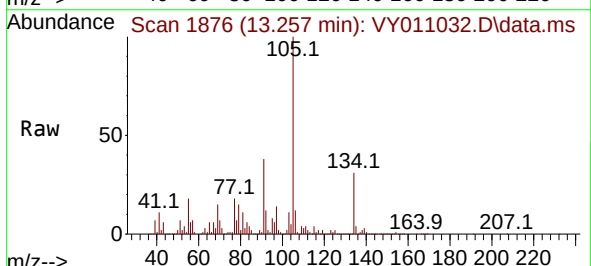
Acq: 20 Oct 2022 17:51

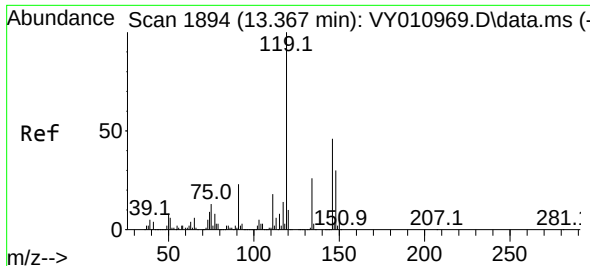
Tgt Ion:105 Resp:12462490

Ion Ratio Lower Upper

105 100

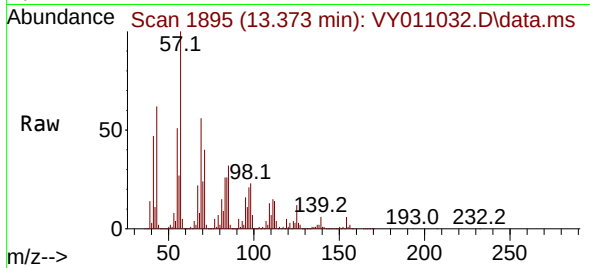
134 49.3 10.2 30.4





#86
p-Isopropyltoluene
Concen: 10.155 ug/l m
RT: 13.373 min Scan# 1895
Delta R.T. 0.006 min
Lab File: VY011032.D
Acq: 20 Oct 2022 17:51

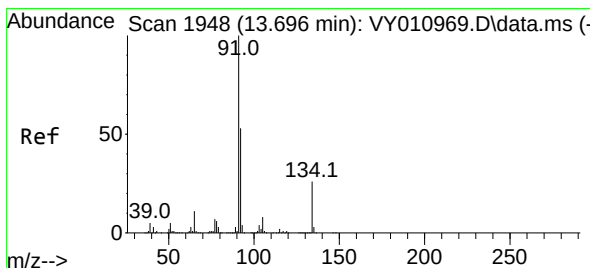
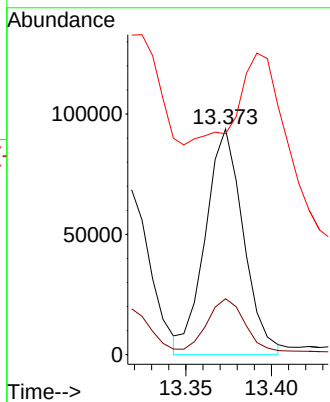
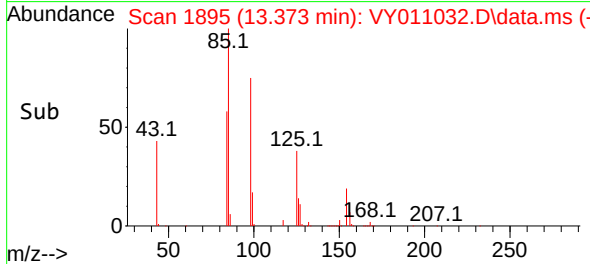
Instrument : MSVOA_Y
ClientSampleId : LSP-SS-06-20-40



Tgt Ion:119 Resp: 144762
Ion Ratio Lower Upper
119 100
134 294.7 13.2 39.5
91 291.9 12.4 37.2

Manual Integrations
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Reviewed By :Krupa Patel 10/21/2022
Supervised By :Mahesh Dadoda 10/21/2022



#89
n-Butylbenzene
Concen: 852.936 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY011032.D
Acq: 20 Oct 2022 17:51

Tgt Ion: 91 Resp:11361522
Ion Ratio Lower Upper
91 100
92 54.6 26.3 78.9
134 42.7 13.0 38.9

