

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101022\
 Data File : VY010900.D
 Acq On : 10 Oct 2022 18:57
 Operator : KP/MD
 Sample : N5067-16
 Misc : 5.95g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-B-3-VERT

Quant Time: Oct 11 09:46:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 10/11/2022
 Supervised By :Mahesh Dadoda 10/11/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	290104	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	487896	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	410461	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	165293	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	188107	63.970	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 127.940%			
35) Dibromofluoromethane	7.716	113	168434	52.007	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.020%			
50) Toluene-d8	10.179	98	662073	59.776	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 119.560%			
62) 4-Bromofluorobenzene	12.477	95	203535	46.801	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.600%			
Target Compounds						Qvalue
16) Acetone	3.948	43	32174	43.081	ug/l	91
17) Carbon Disulfide	4.192	76	80336	9.064	ug/l	100
25) 2-Butanone	6.990	43	11190	10.422	ug/l	93
31) Cyclohexane	7.765	56	40642	7.722	ug/l	# 63
39) Methylcyclohexane	9.179	83	159795	27.825	ug/l	95
40) Benzene	8.161	78	15616362	1159.504	ug/l	94
43) Isopropyl Acetate	8.264	43	8957	2.157	ug/l	# 56
52) Toluene	10.240	92	224689	26.214	ug/l	95
67) Ethyl Benzene	11.587	91	20714877	1354.152	ug/l	# 29
68) m/p-Xylenes	11.703	106	8990792	1501.790	ug/l	80
69) o-Xylene	12.026	106	2579626	460.874	ug/l	93
73) Isopropylbenzene	12.331	105	3724901	306.535	ug/l	100
78) n-propylbenzene	12.672	91	1645681	111.199	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	2231036	217.075	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	9504791	940.630	ug/l	93
85) sec-Butylbenzene	13.251	105	106401m	8.067	ug/l	
86) p-Isopropyltoluene	13.367	119	391629	35.391	ug/l	# 76
89) n-Butylbenzene	13.696	91	149918m	14.722	ug/l	

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

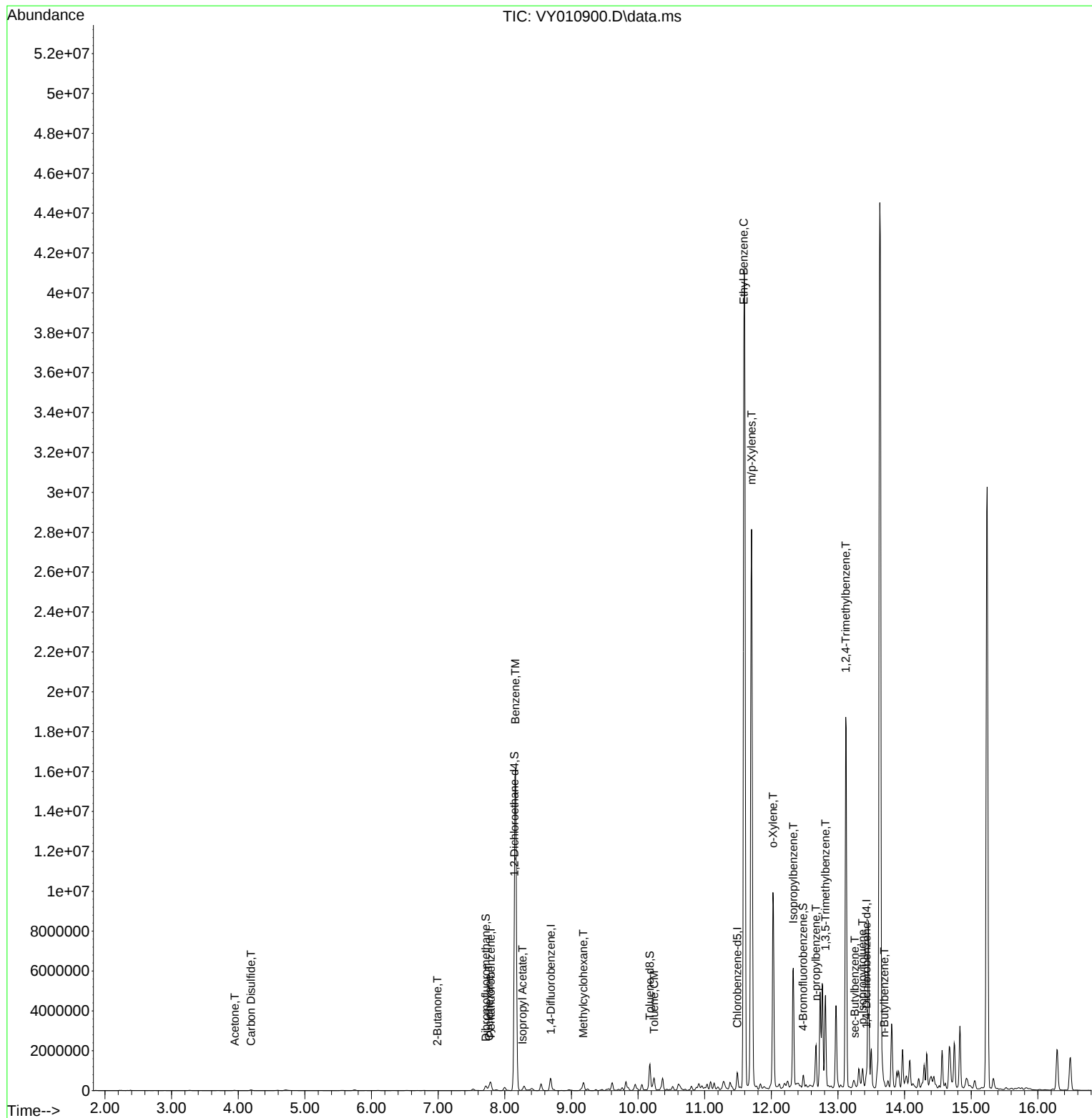
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101022\
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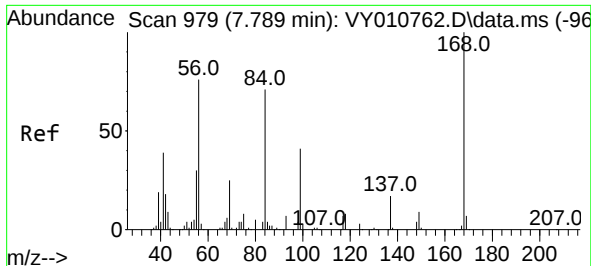
Instrument :
MSVOA_Y
ClientSampleId :
COMP-B-3-VERT

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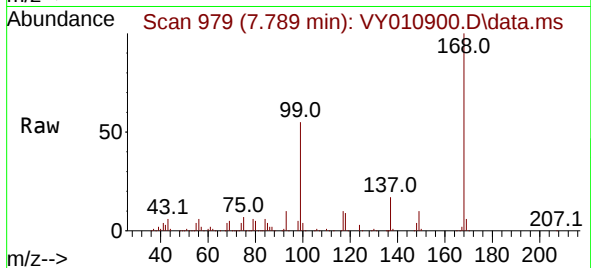
Reviewed By :Krupa Patel 10/11/2022
Supervised By :Mahesh Dadoda 10/11/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010900.D
Acq: 10 Oct 2022 18:57

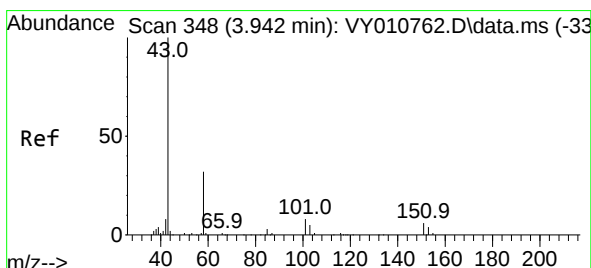
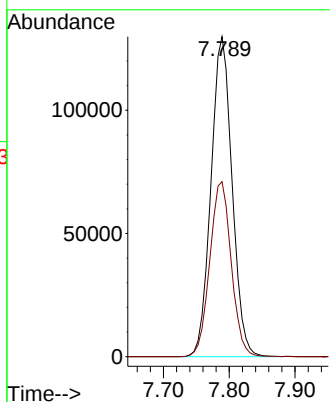
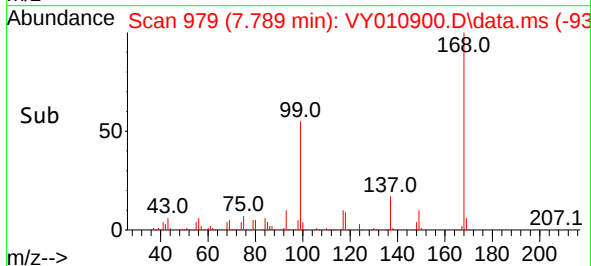
Instrument :
MSVOA_Y
ClientSampleId :
COMP-B-3-VERT



Tgt Ion:168 Resp: 290104
Ion Ratio Lower Upper
168 100
99 54.7 46.9 70.3

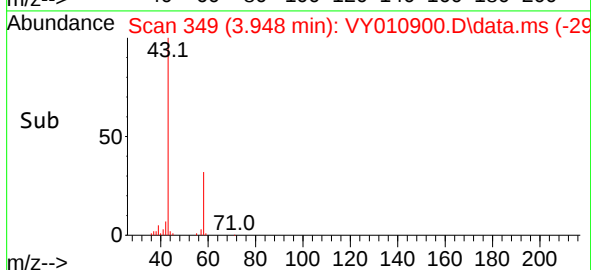
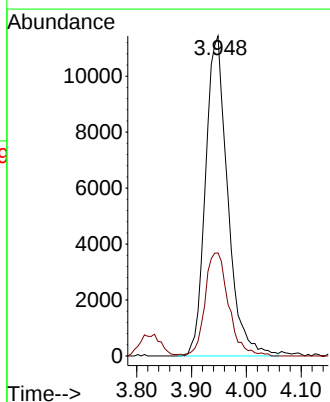
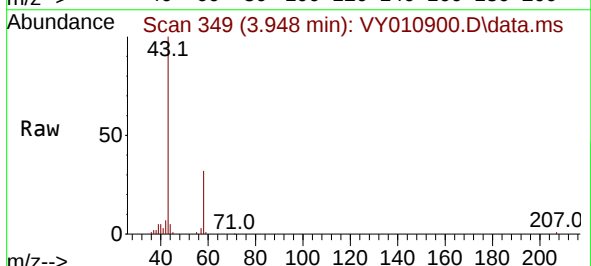
Manual Integrations
APPROVED

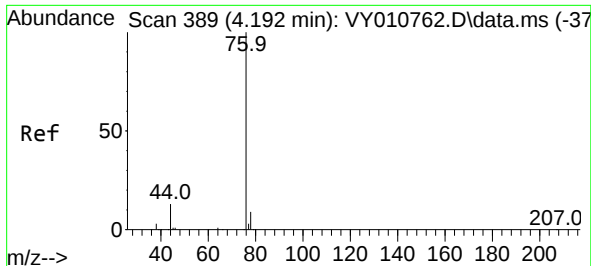
Reviewed By :Krupa Patel 10/11/2022
Supervised By :Mahesh Dadoda 10/11/2022



#16
Acetone
Concen: 43.081 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY010900.D
Acq: 10 Oct 2022 18:57

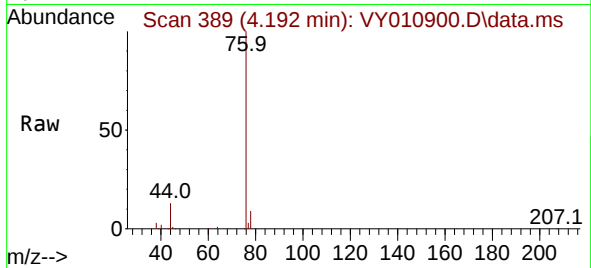
Tgt Ion: 43 Resp: 32174
Ion Ratio Lower Upper
43 100
58 32.2 22.0 33.0





#17
Carbon Disulfide
Concen: 9.064 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.000 min
Lab File: VY010900.D
Acq: 10 Oct 2022 18:57

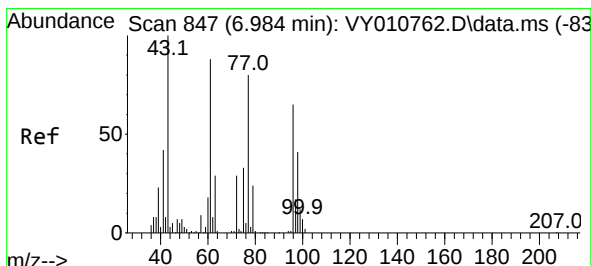
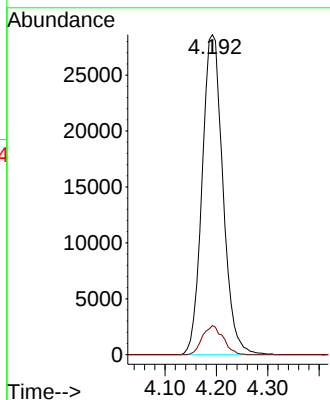
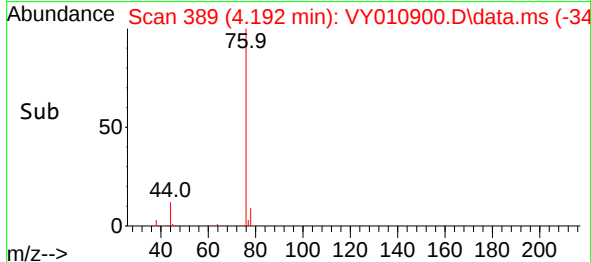
Instrument :
MSVOA_Y
ClientSampleId :
COMP-B-3-VERT



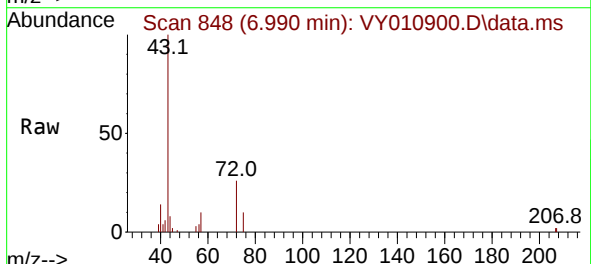
Tgt Ion: 76 Resp: 80336
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

Manual Integrations
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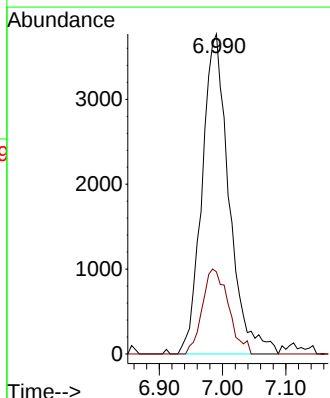
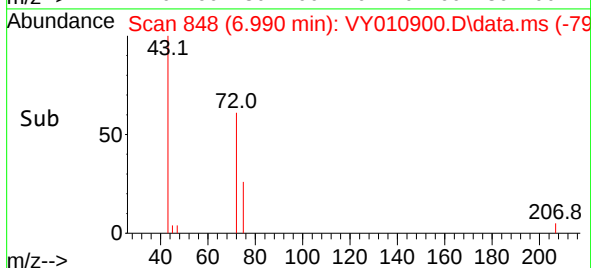
Reviewed By :Krupa Patel 10/11/2022
Supervised By :Mahesh Dadoda 10/11/2022

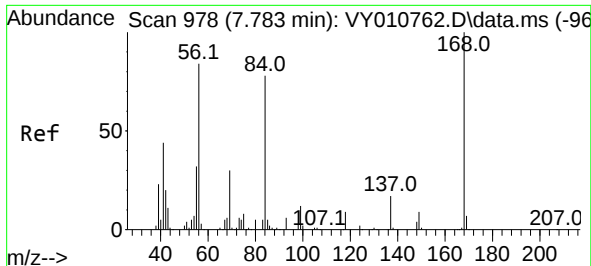


#25
2-Butanone
Concen: 10.422 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY010900.D
Acq: 10 Oct 2022 18:57



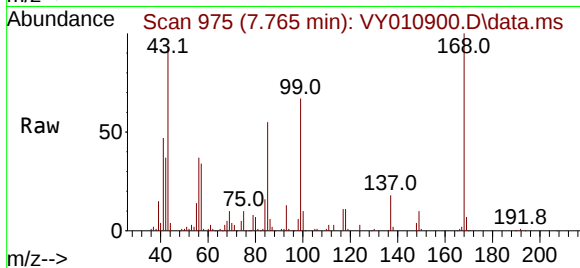
Tgt Ion: 43 Resp: 11190
Ion Ratio Lower Upper
43 100
72 25.7 17.7 26.5





#31
Cyclohexane
Concen: 7.722 ug/l
RT: 7.765 min Scan# 910
Delta R.T. -0.018 min
Lab File: VY010900.D
Acq: 10 Oct 2022 18:57

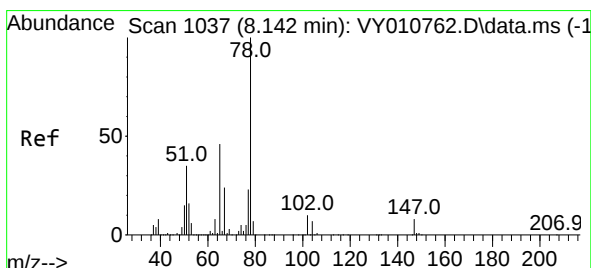
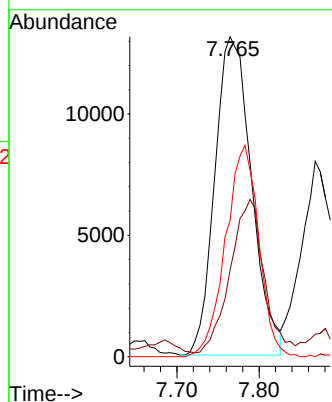
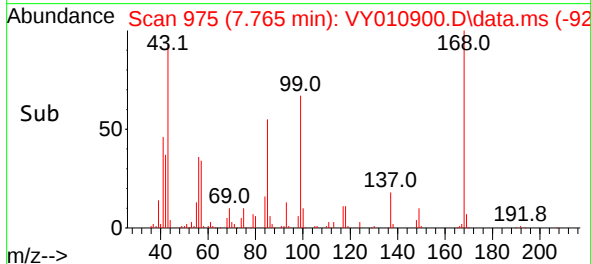
Instrument :
MSVOA_Y
ClientSampleId :
COMP-B-3-VERT



Tgt Ion: 56 Resp: 4064
Ion Ratio Lower Upper
56 100
69 24.5 26.7 40.1
84 42.8 67.2 100.8

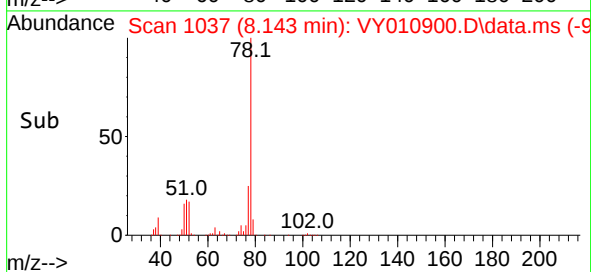
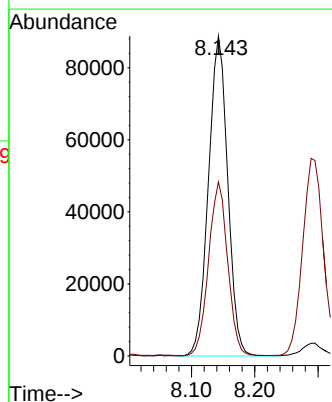
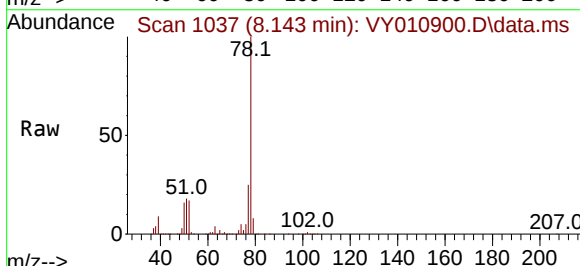
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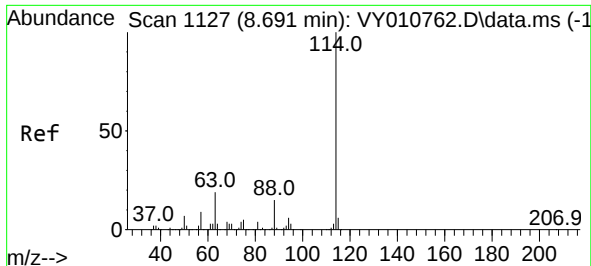
Reviewed By :Krupa Patel 10/11/2022
Supervised By :Mahesh Dadoda 10/11/2022



#33
1,2-Dichloroethane-d4
Concen: 63.970 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY010900.D
Acq: 10 Oct 2022 18:57

Tgt Ion: 65 Resp: 188107
Ion Ratio Lower Upper
65 100
67 53.7 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY010900.D

Acq: 10 Oct 2022 18:57

Instrument :

MSVOA_Y

ClientSampleId :

COMP-B-3-VERT

Tgt Ion:114 Resp: 487890

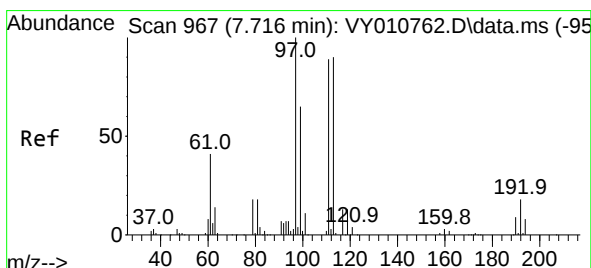
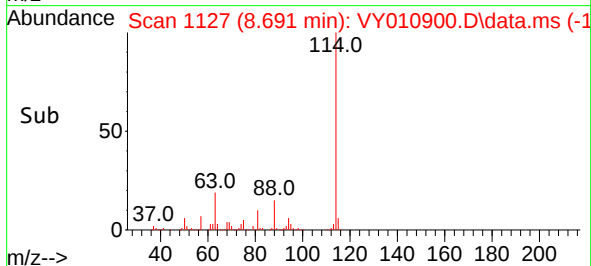
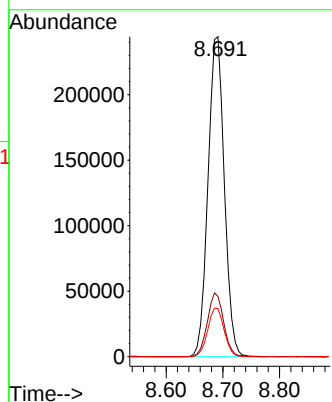
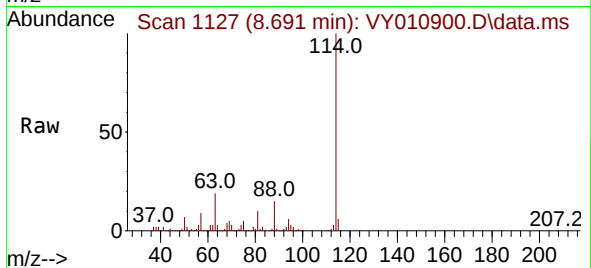
Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	43.2
88	15.0	0.0	31.8

Manual Integrations

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Supervised By :Mahesh Dadoda 10/11/2022



#35

Dibromofluoromethane

Concen: 52.007 ug/l

RT: 7.716 min Scan# 967

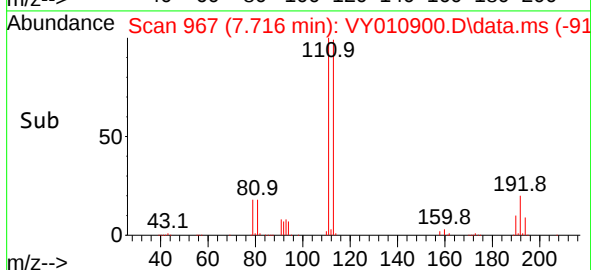
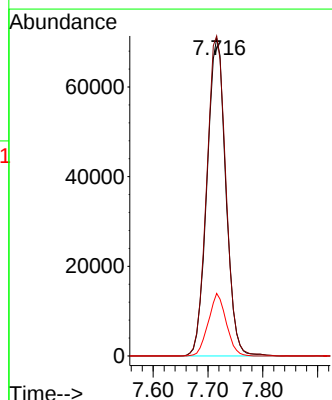
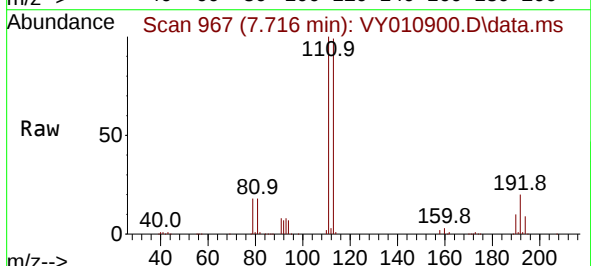
Delta R.T. -0.000 min

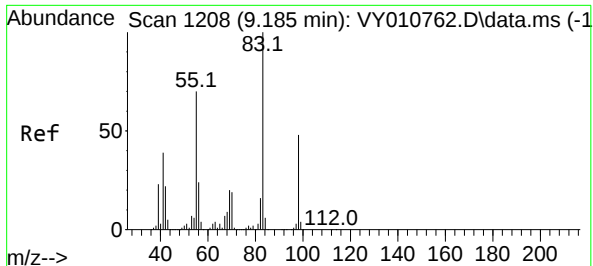
Lab File: VY010900.D

Acq: 10 Oct 2022 18:57

Tgt Ion:113 Resp: 168434

Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.6	124.0
192	18.8	17.6	26.4





#39

Methylcyclohexane

Concen: 27.825 ug/l

RT: 9.179 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY010900.D

Acq: 10 Oct 2022 18:57

Instrument :

MSVOA_Y

ClientSampleId :

COMP-B-3-VERT

Tgt Ion: 83 Resp: 15979

Ion Ratio Lower Upper

83 100

55 77.0 66.5 99.7

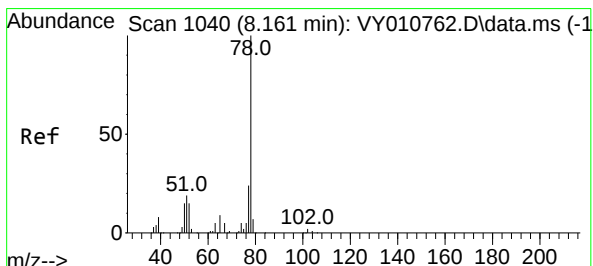
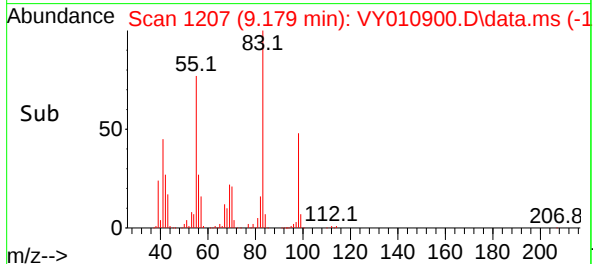
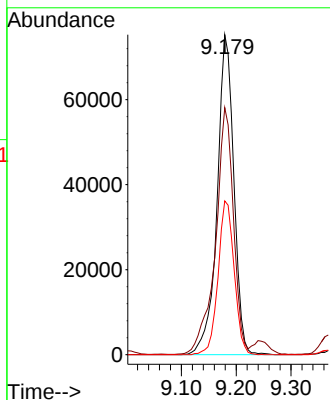
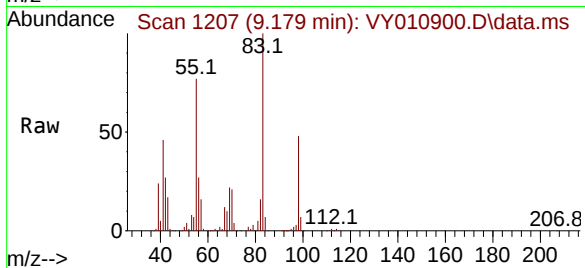
98 48.1 37.9 56.9

Manual Integrations

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Supervised By :Mahesh Dadoda 10/11/2022



#40

Benzene

Concen: 1159.504 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY010900.D

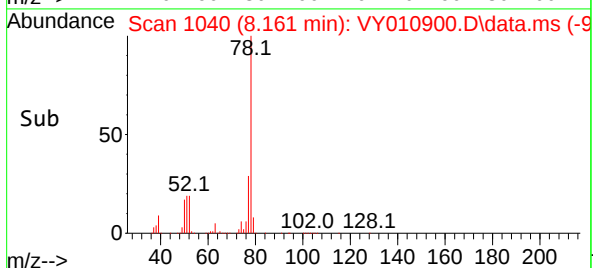
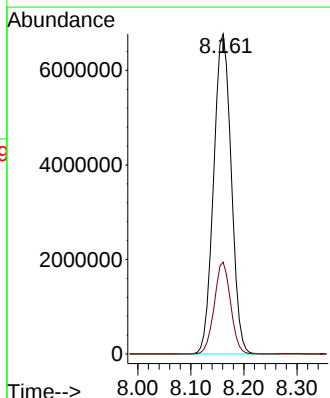
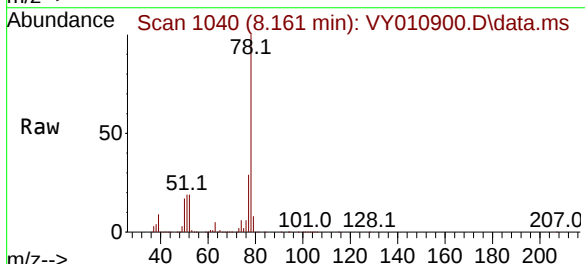
Acq: 10 Oct 2022 18:57

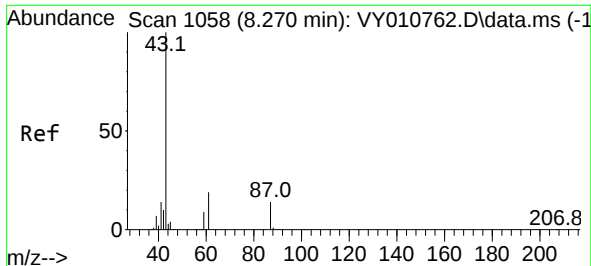
Tgt Ion: 78 Resp:15616362

Ion Ratio Lower Upper

78 100

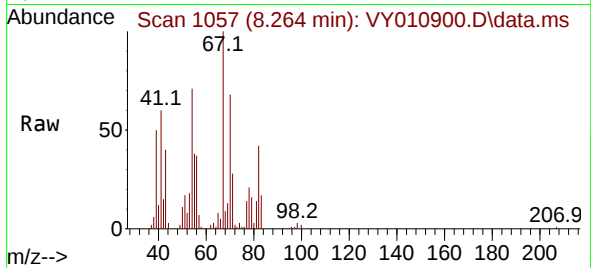
77 28.7 20.4 30.6





#43
Isopropyl Acetate
Concen: 2.157 ug/l
RT: 8.264 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VY010900.D
Acq: 10 Oct 2022 18:57

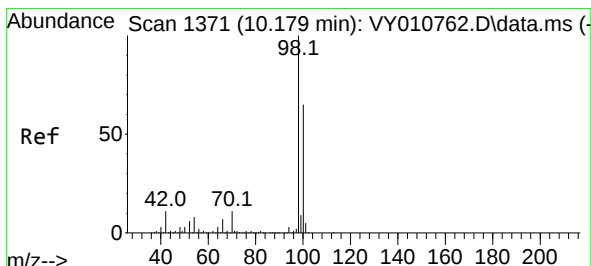
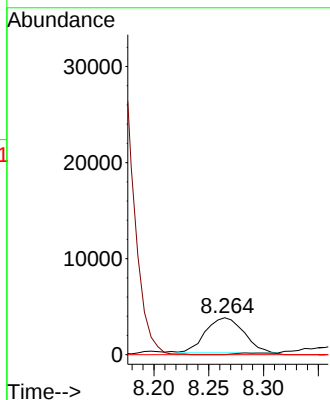
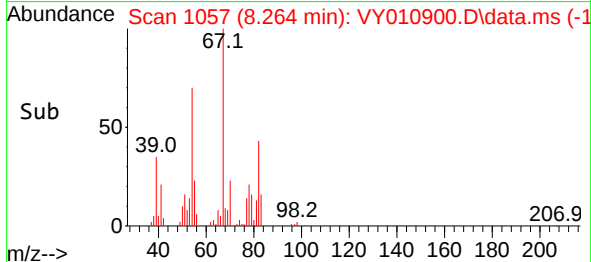
Instrument :
MSVOA_Y
ClientSampleId :
COMP-B-3-VERT



Tgt Ion: 43 Resp: 895
Ion Ratio Lower Upper
43 100
61 0.0 20.2 30.2
87 0.0 8.9 13.3

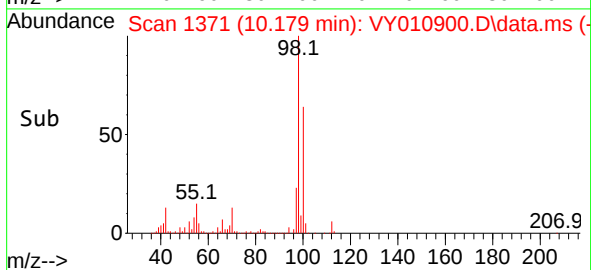
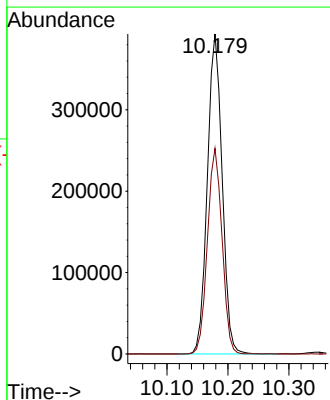
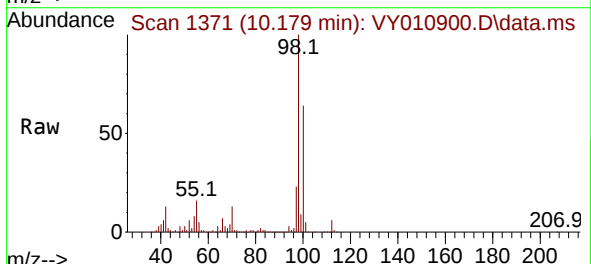
Manual Integrations
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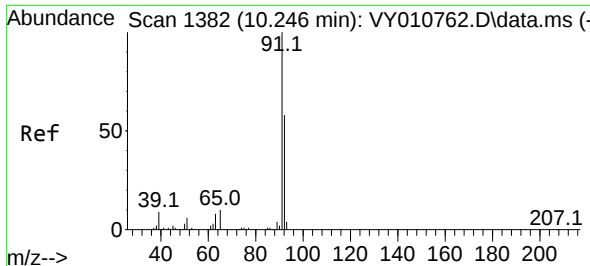
Reviewed By :Krupa Patel 10/11/2022
Supervised By :Mahesh Dadoda 10/11/2022



#50
Toluene-d8
Concen: 59.776 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010900.D
Acq: 10 Oct 2022 18:57

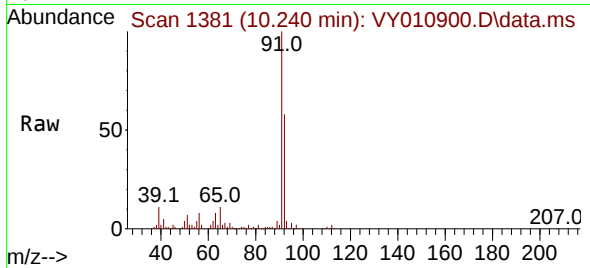
Tgt Ion: 98 Resp: 662073
Ion Ratio Lower Upper
98 100
100 63.5 50.2 75.2





#52
Toluene
Concen: 26.214 ug/l
RT: 10.240 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY010900.D
Acq: 10 Oct 2022 18:57

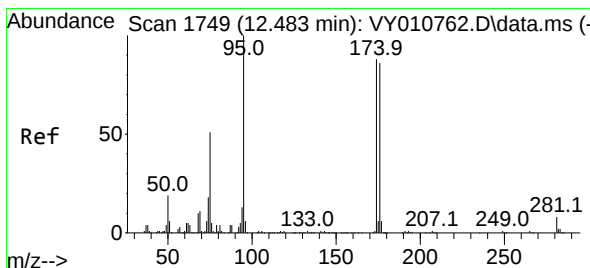
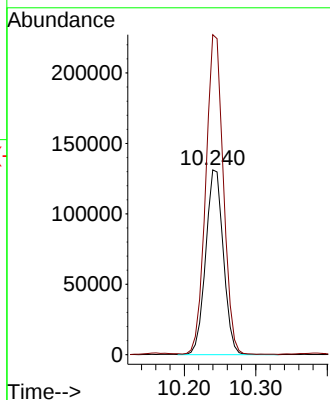
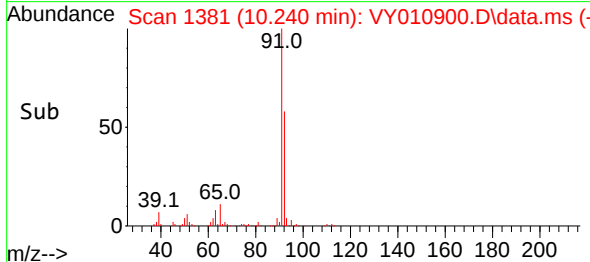
Instrument :
MSVOA_Y
ClientSampleId :
COMP-B-3-VERT



Tgt Ion: 92 Resp: 224689
Ion Ratio Lower Upper
92 100
91 171.8 142.6 213.8

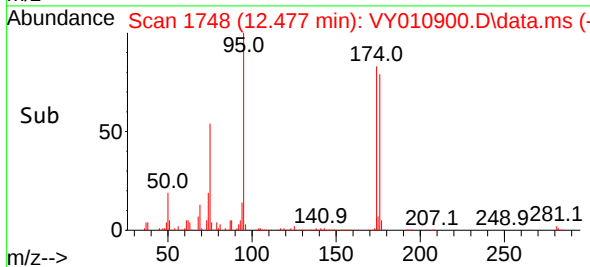
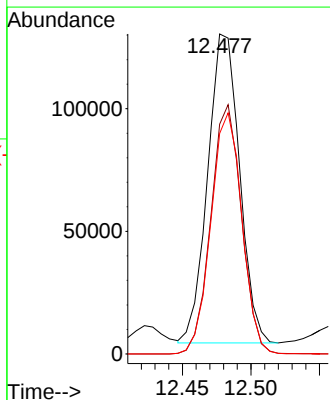
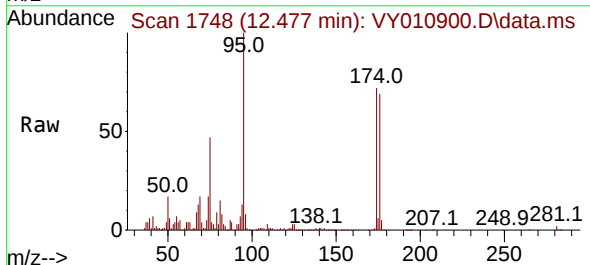
Manual Integrations
APPROVED

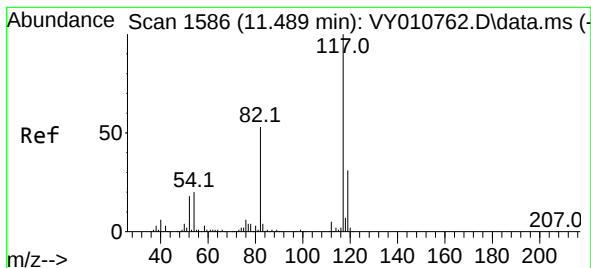
Reviewed By :Krupa Patel 10/11/2022
Supervised By :Mahesh Dadoda 10/11/2022



#62
4-Bromofluorobenzene
Concen: 46.801 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010900.D
Acq: 10 Oct 2022 18:57

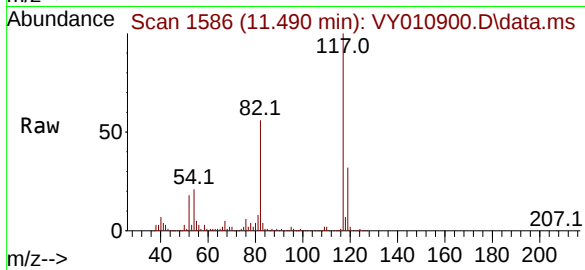
Tgt Ion: 95 Resp: 203535
Ion Ratio Lower Upper
95 100
174 77.7 0.0 177.0
176 76.1 0.0 175.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY010900.D
Acq: 10 Oct 2022 18:57

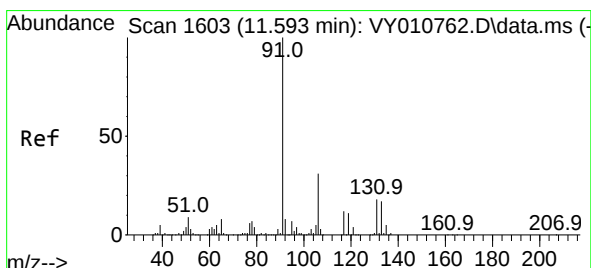
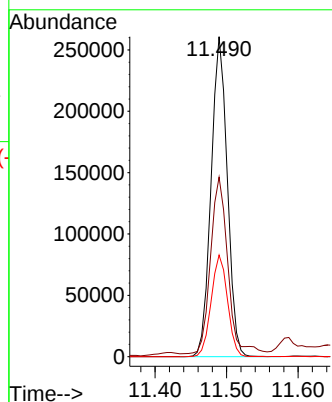
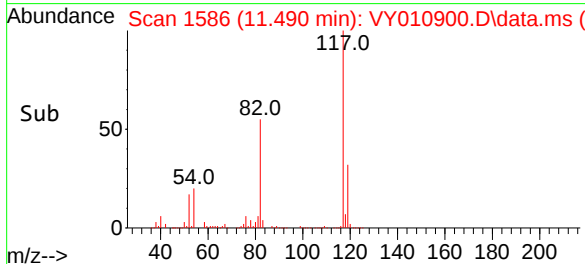
Instrument :
MSVOA_Y
ClientSampleId :
COMP-B-3-VERT



Tgt Ion:117 Resp: 41046
Ion Ratio Lower Upper
117 100
82 55.2 43.0 64.4
119 31.8 25.4 38.0

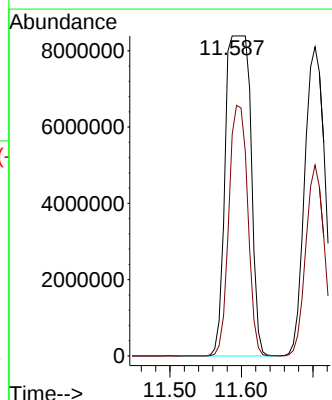
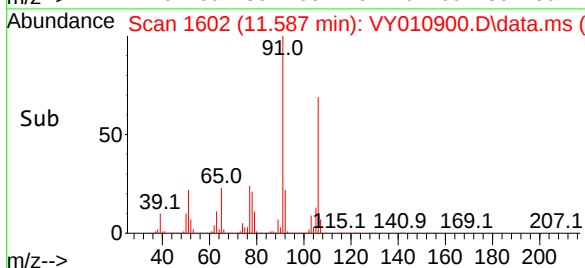
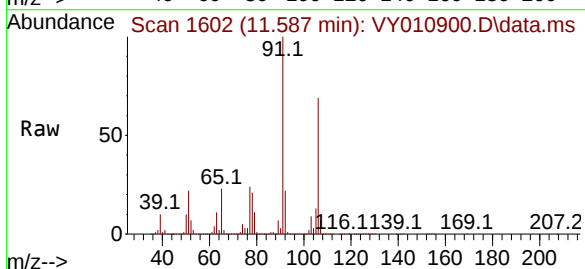
Manual Integrations
APPROVED

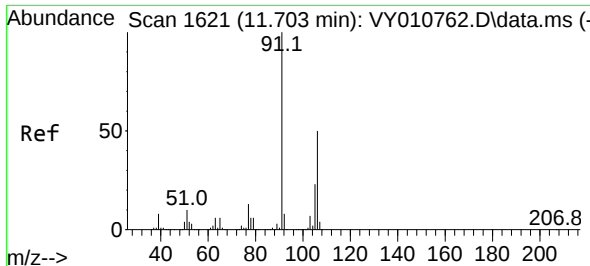
Reviewed By :Krupa Patel 10/11/2022
Supervised By :Mahesh Dadoda 10/11/2022



#67
Ethyl Benzene
Concen: 1354.152 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. -0.006 min
Lab File: VY010900.D
Acq: 10 Oct 2022 18:57

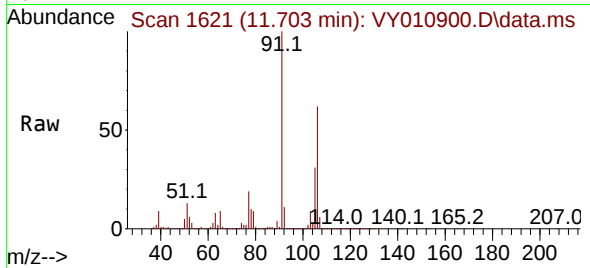
Tgt Ion: 91 Resp:20714877
Ion Ratio Lower Upper
91 100
106 69.3 24.5 36.7#





#68
m/p-Xylenes
Concen: 1501.790 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY010900.D
Acq: 10 Oct 2022 18:57

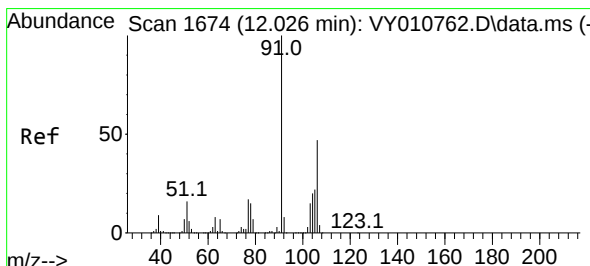
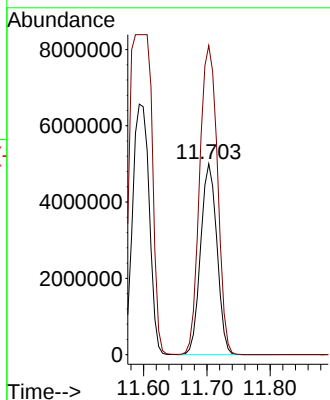
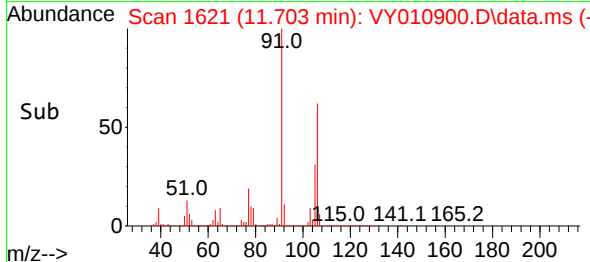
Instrument :
MSVOA_Y
ClientSampleId :
COMP-B-3-VERT



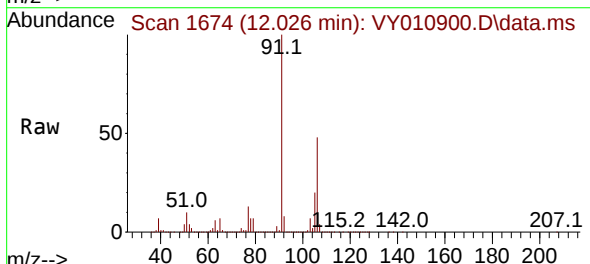
Tgt Ion:106 Resp: 8990792
Ion Ratio Lower Upper
106 100
91 176.6 166.6 249.8

Manual Integrations
APPROVED

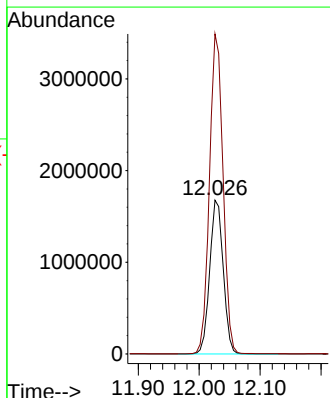
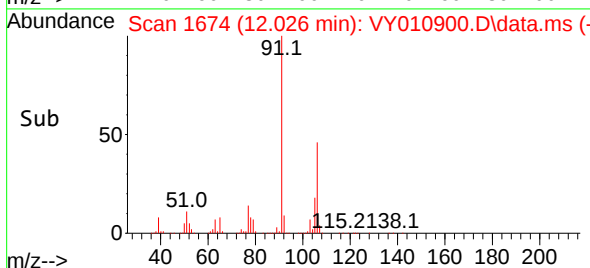
Reviewed By :Krupa Patel 10/11/2022
Supervised By :Mahesh Dadoda 10/11/2022

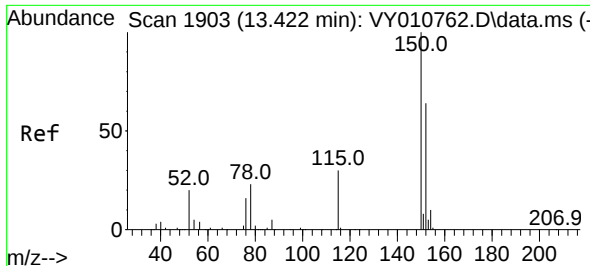


#69
o-Xylene
Concen: 460.874 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY010900.D
Acq: 10 Oct 2022 18:57



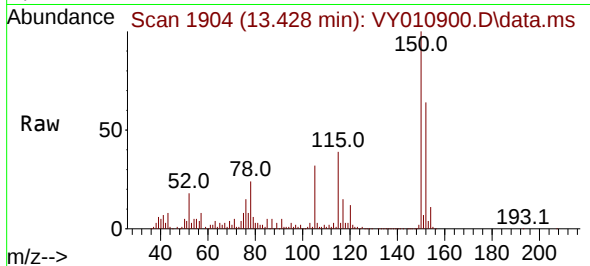
Tgt Ion:106 Resp: 2579626
Ion Ratio Lower Upper
106 100
91 208.8 110.3 331.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY010900.D
Acq: 10 Oct 2022 18:57

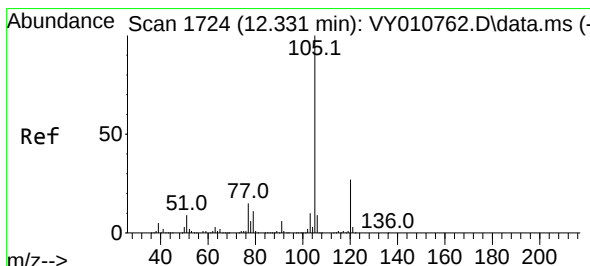
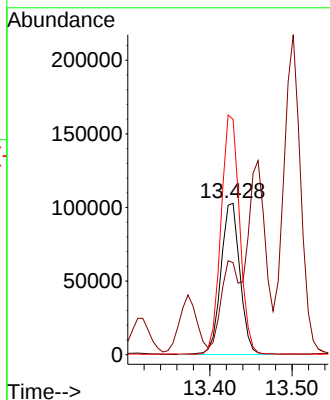
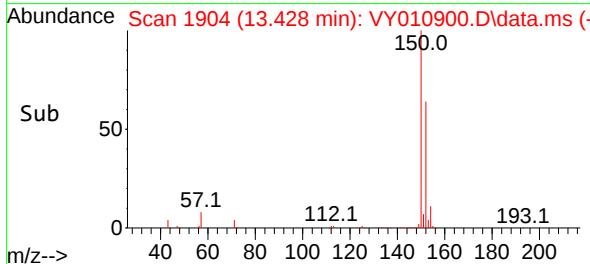
Instrument :
MSVOA_Y
ClientSampleId :
COMP-B-3-VERT



Tgt Ion:152 Resp: 165293
Ion Ratio Lower Upper
152 100
115 0.0 28.2 84.7
150 155.1 0.0 347.6

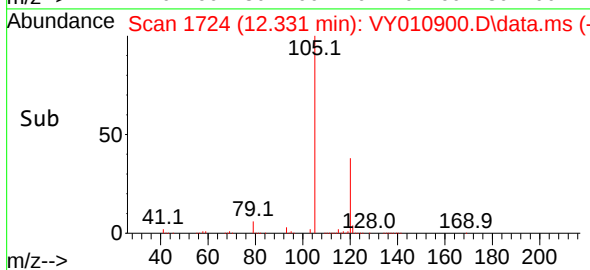
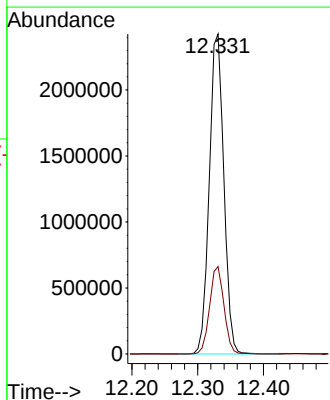
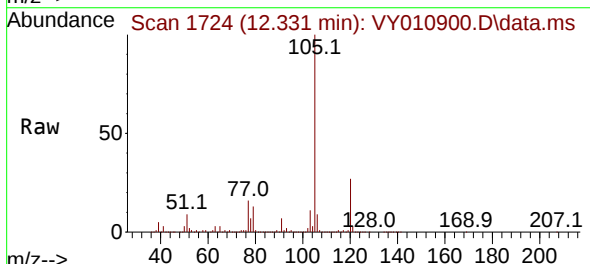
Manual Integrations
APPROVED

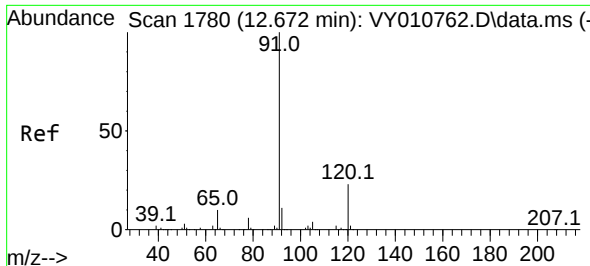
Reviewed By :Krupa Patel 10/11/2022
Supervised By :Mahesh Dadoda 10/11/2022



#73
Isopropylbenzene
Concen: 306.535 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY010900.D
Acq: 10 Oct 2022 18:57

Tgt Ion:105 Resp: 3724901
Ion Ratio Lower Upper
105 100
120 27.0 13.4 40.2





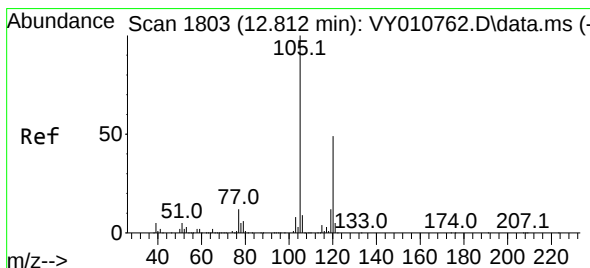
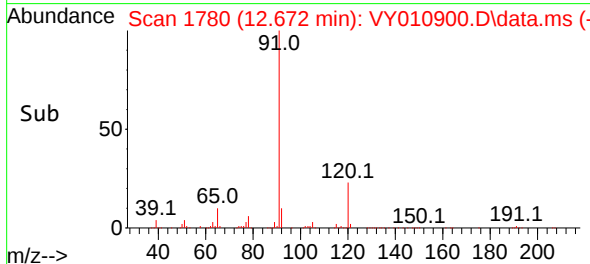
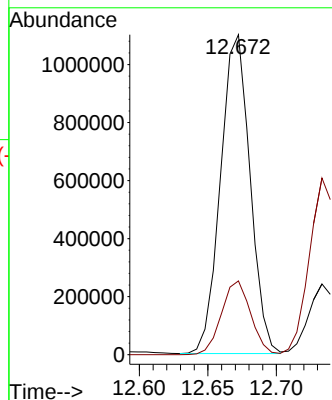
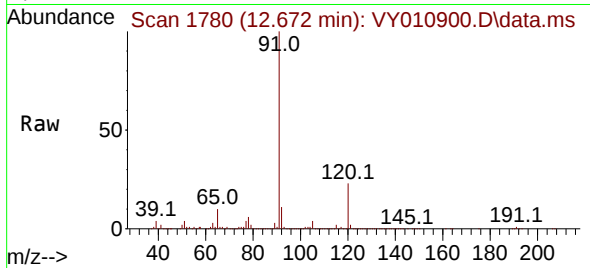
#78
n-propylbenzene
Concen: 111.199 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY010900.D
Acq: 10 Oct 2022 18:57

Instrument :
MSVOA_Y
ClientSampleId :
COMP-B-3-VERT

Tgt Ion: 91 Resp: 164568
Ion Ratio Lower Upper
91 100
120 23.0 11.3 33.9

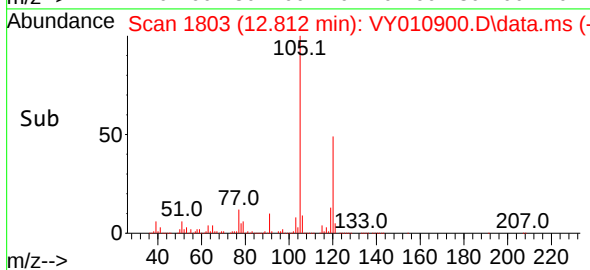
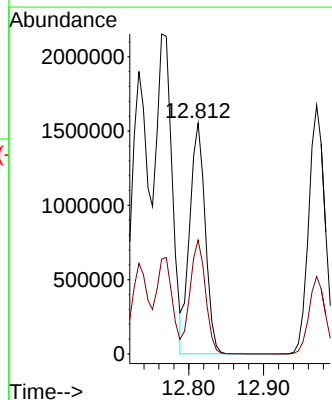
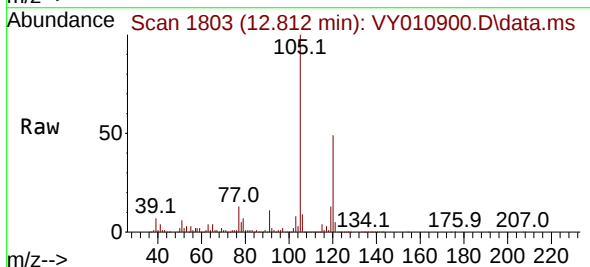
Manual Integrations
APPROVED

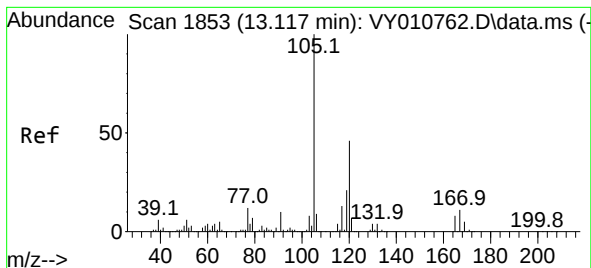
Reviewed By :Krupa Patel 10/11/2022
Supervised By :Mahesh Dadoda 10/11/2022



#80
1,3,5-Trimethylbenzene
Concen: 217.075 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY010900.D
Acq: 10 Oct 2022 18:57

Tgt Ion:105 Resp: 2231036
Ion Ratio Lower Upper
105 100
120 49.2 24.4 73.4





#84

1,2,4-Trimethylbenzene

Concen: 940.630 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY010900.D

Acq: 10 Oct 2022 18:57

Instrument :

MSVOA_Y

ClientSampleId :

COMP-B-3-VERT

Tgt Ion:105 Resp: 950479

Ion Ratio Lower Upper

105 100

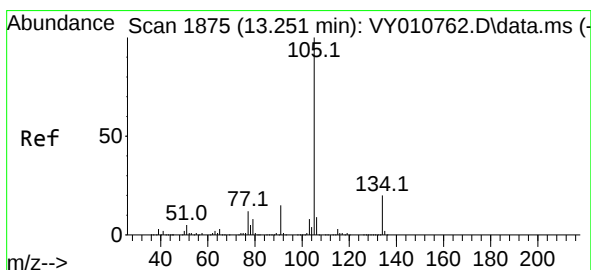
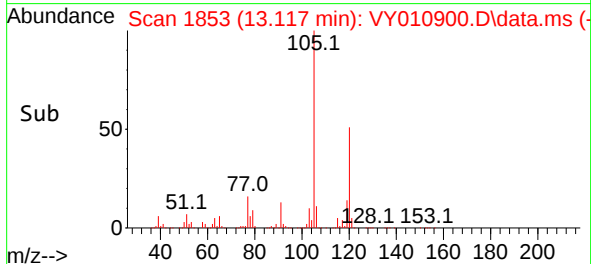
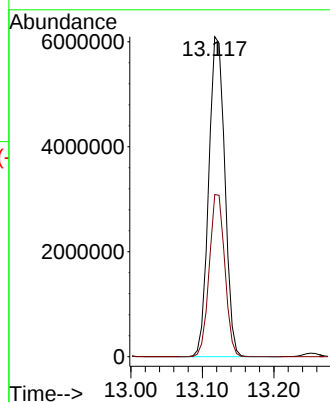
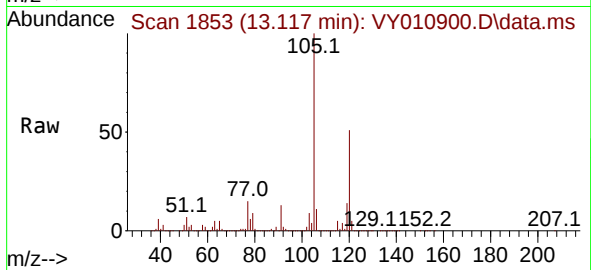
120 49.1 22.3 66.9

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 10/11/2022

Supervised By :Mahesh Dadoda 10/11/2022



#85

sec-Butylbenzene

Concen: 8.067 ug/l m

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY010900.D

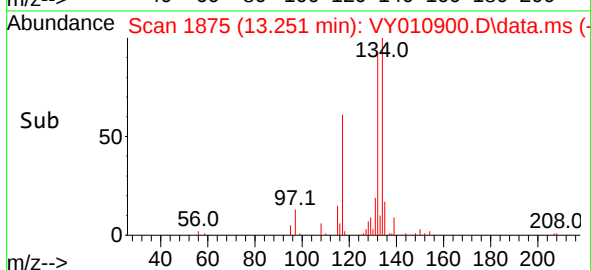
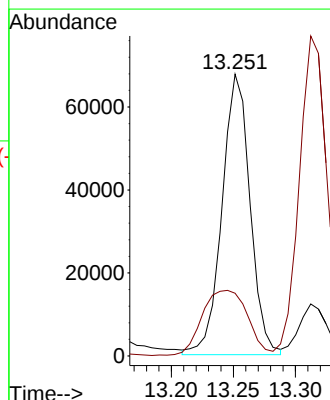
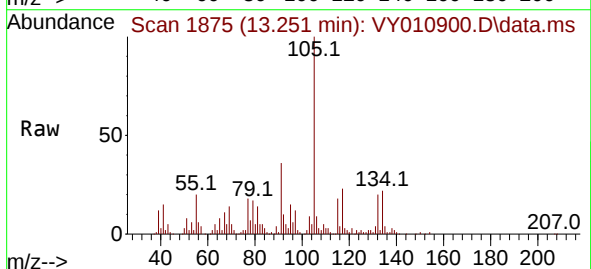
Acq: 10 Oct 2022 18:57

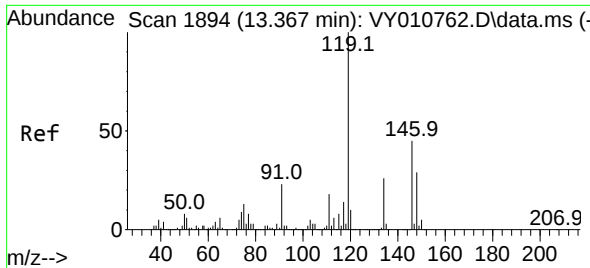
Tgt Ion:105 Resp: 106401

Ion Ratio Lower Upper

105 100

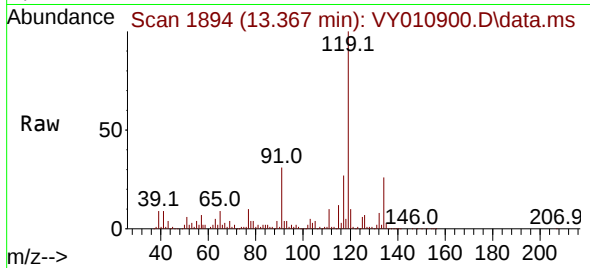
134 0.0 10.2 30.4#





#86
p-Isopropyltoluene
Concen: 35.391 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY010900.D
Acq: 10 Oct 2022 18:57

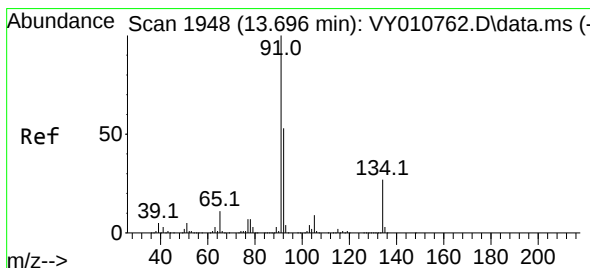
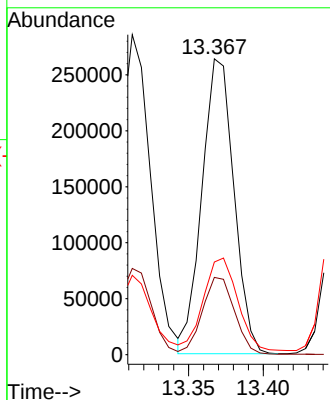
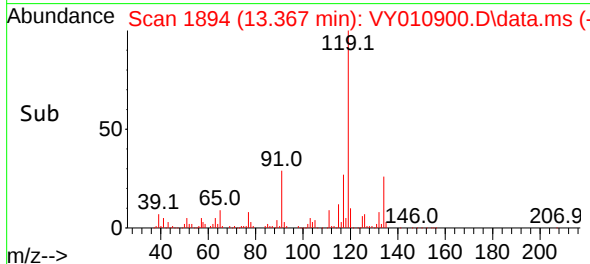
Instrument :
MSVOA_Y
ClientSampleId :
COMP-B-3-VERT



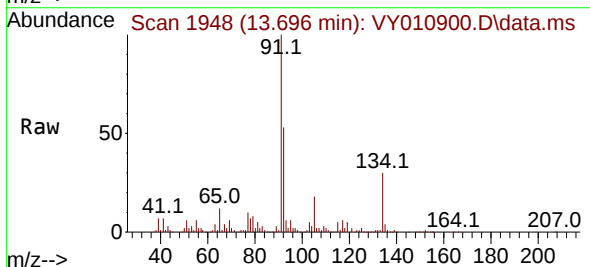
Tgt Ion: 119 Resp: 391629
Ion Ratio Lower Upper
119 100
134 26.5 13.2 39.5
91 0.0 12.4 37.2

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 10/11/2022
Supervised By :Mahesh Dadoda 10/11/2022



#89
n-Butylbenzene
Concen: 14.722 ug/l m
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY010900.D
Acq: 10 Oct 2022 18:57



Tgt Ion: 91 Resp: 149918
Ion Ratio Lower Upper
91 100
92 403.4 26.3 78.9#
134 0.0 13.0 38.9#

