

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101922\
 Data File : VY011007.D
 Acq On : 19 Oct 2022 12:25
 Operator : KP/MD
 Sample : N5170-02
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TRE-1594

Quant Time: Oct 19 13:14:16 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

Manual Integrations APPROVED

Reviewed By :Krupa Patel 10/20/2022
 Supervised By :Mahesh Dadoda 10/20/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	369272	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	639596	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	479852	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	180904	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	186103	54.711	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.420%			
35) Dibromofluoromethane	7.716	113	190655	53.632	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.260%			
50) Toluene-d8	10.179	98	604525	45.267	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 90.540%			
62) 4-Bromofluorobenzene	12.483	95	192138	40.003	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 80.000%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.948	59	70642	178.251	ug/l #	93
16) Acetone	3.948	43	84252	85.293	ug/l #	85
17) Carbon Disulfide	4.192	76	22424	2.184	ug/l	98
20) Methylene Chloride	4.716	84	34618	1.974	ug/l #	81
25) 2-Butanone	6.996	43	7773	5.189	ug/l #	74
39) Methylcyclohexane	9.185	83	42822	6.005	ug/l	93
40) Benzene	8.161	78	20059	1.148	ug/l	97
52) Toluene	10.246	92	3620402	333.581	ug/l	92
67) Ethyl Benzene	11.593	91	965536	55.399	ug/l	98
68) m/p-Xylenes	11.697	106	1536407	229.160	ug/l	94
69) o-Xylene	12.026	106	517258	81.249	ug/l	94
73) Isopropylbenzene	12.331	105	64764	4.928	ug/l	100
78) n-propylbenzene	12.672	91	228470	14.288	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	274710	25.051	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	1118284m	103.416	ug/l	
85) sec-Butylbenzene	13.251	105	106178	7.451	ug/l	88
86) p-Isopropyltoluene	13.367	119	69726	5.898	ug/l	97
89) n-Butylbenzene	13.696	91	210783	19.082	ug/l #	72
95) Naphthalene	15.233	128	247981	37.141	ug/l	98

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

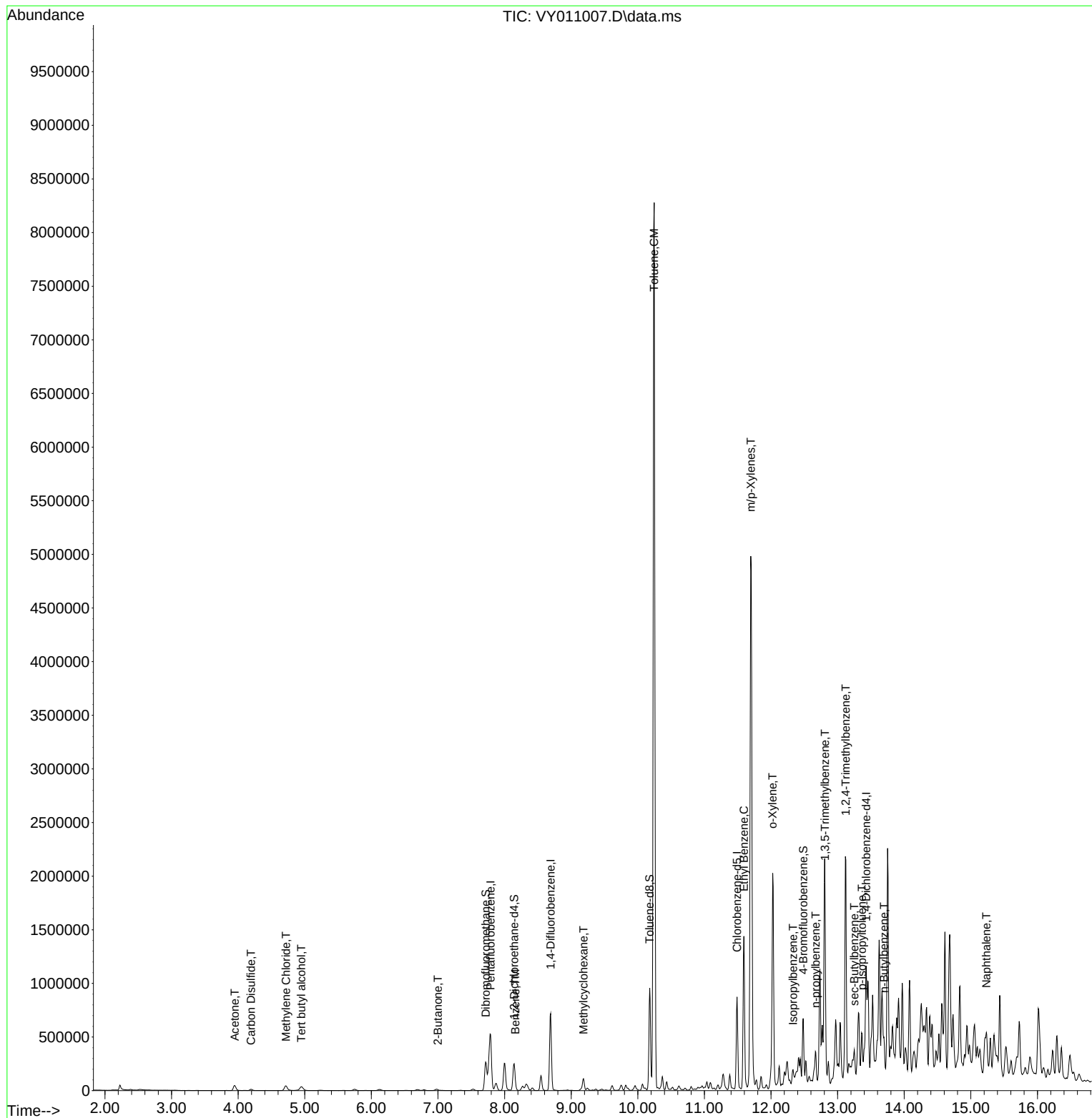
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101922\
Data File : VY011007.D
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Operator : KP/MD
Sample : N5170-02
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

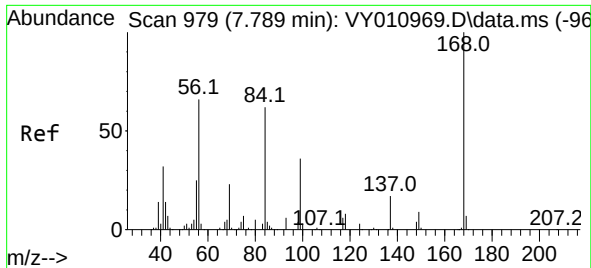
Instrument :
MSVOA_Y
ClientSampleId :
TRE-1594

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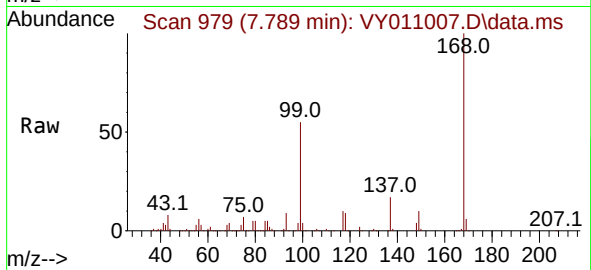
Quant Time: Oct 19 13:14:16 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 18 01:42:42 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011007.D
Acq: 19 Oct 2022 12:25

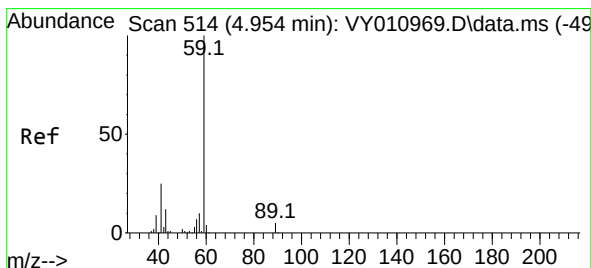
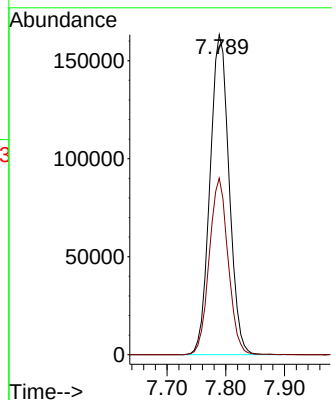
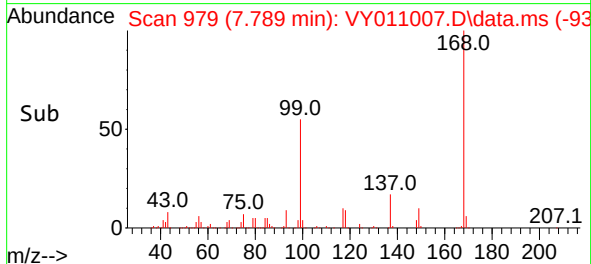
Instrument :
MSVOA_Y
ClientSampleId :
TRE-1594



Tgt Ion:168 Resp: 36927
Ion Ratio Lower Upper
168 100
99 55.1 46.9 70.3

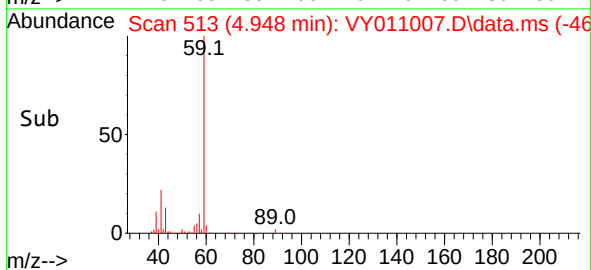
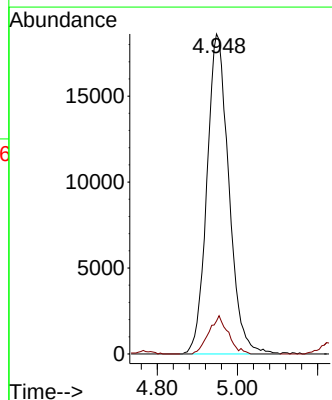
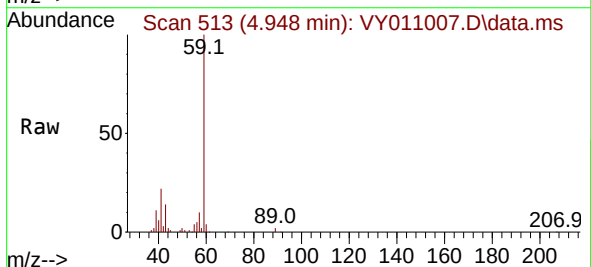
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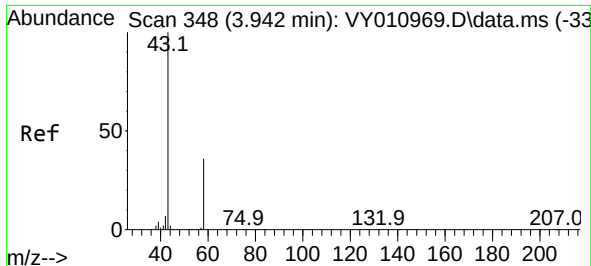
Reviewed By :Krupa Patel 10/20/2022
Supervised By :Mahesh Dadoda 10/20/2022



#11
Tert butyl alcohol
Concen: 178.251 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY011007.D
Acq: 19 Oct 2022 12:25

Tgt Ion: 59 Resp: 70642
Ion Ratio Lower Upper
59 100
57 10.6 6.4 9.6#





#16

Acetone

Concen: 85.293 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY011007.D

Acq: 19 Oct 2022 12:25

Instrument :

MSVOA_Y

ClientSampleId :

TRE-1594

Tgt Ion: 43 Resp: 8425

Ion Ratio Lower Upper

43 100

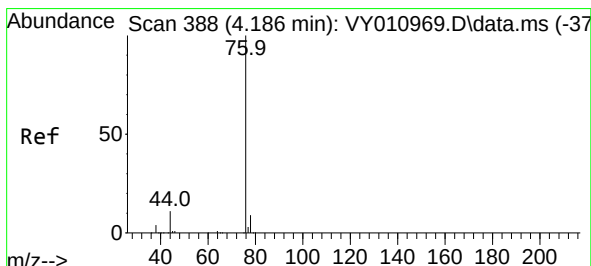
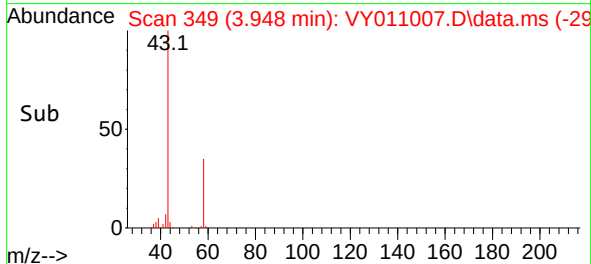
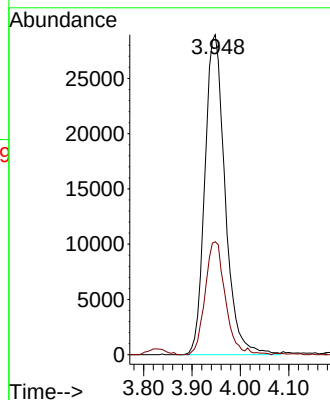
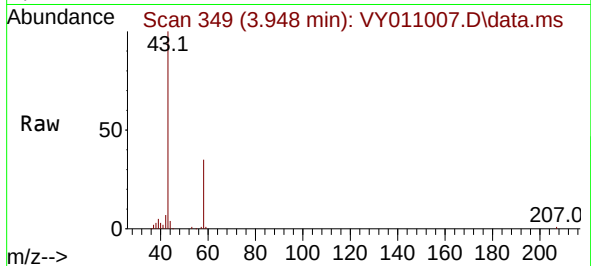
58 35.3 22.0 33.0

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#17

Carbon Disulfide

Concen: 2.184 ug/l

RT: 4.192 min Scan# 389

Delta R.T. -0.000 min

Lab File: VY011007.D

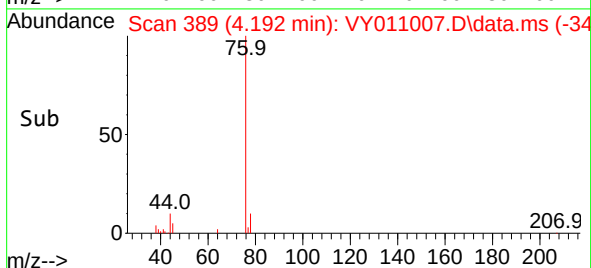
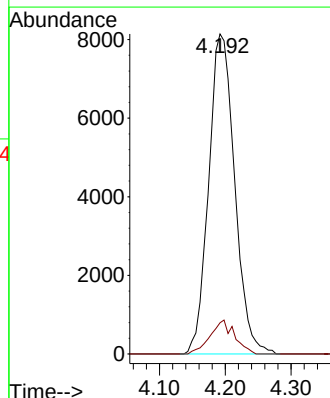
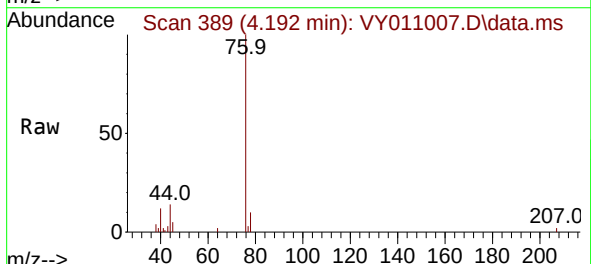
Acq: 19 Oct 2022 12:25

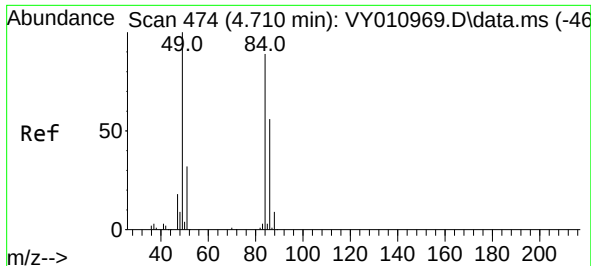
Tgt Ion: 76 Resp: 22424

Ion Ratio Lower Upper

76 100

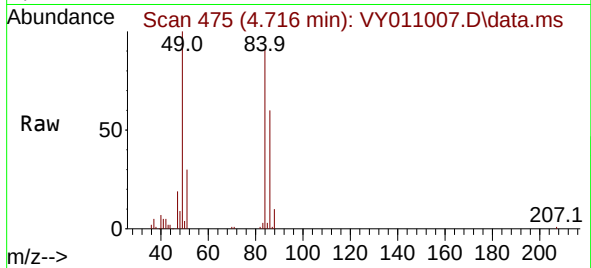
78 9.8 7.4 11.0





#20
Methylene Chloride
Concen: 1.974 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011007.D
Acq: 19 Oct 2022 12:25

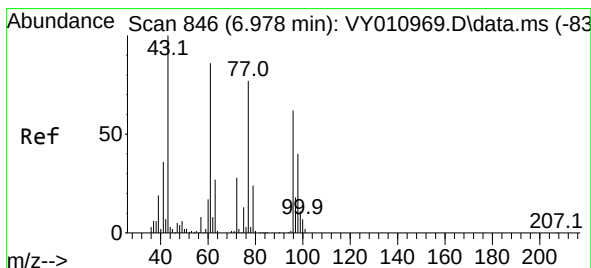
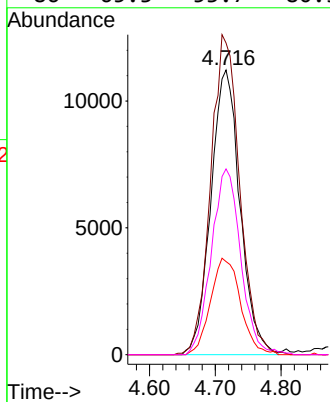
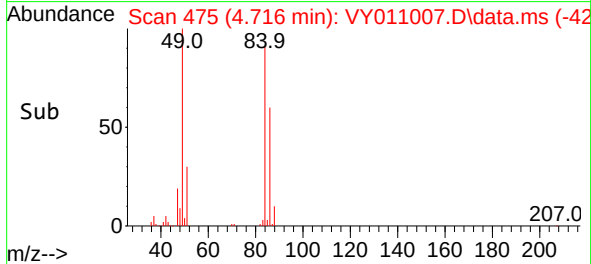
Instrument :
MSVOA_Y
ClientSampleId :
TRE-1594



Tgt Ion: 84 Resp: 34618
Ion Ratio Lower Upper
84 100
49 109.0 114.4 171.6
51 32.7 35.3 52.9
86 65.3 53.7 80.5

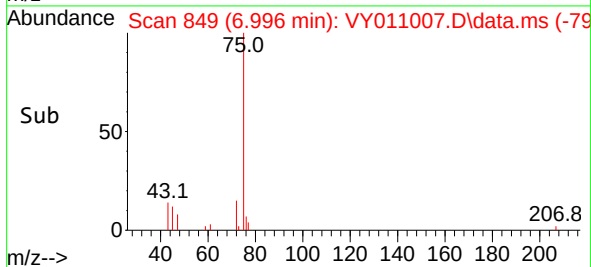
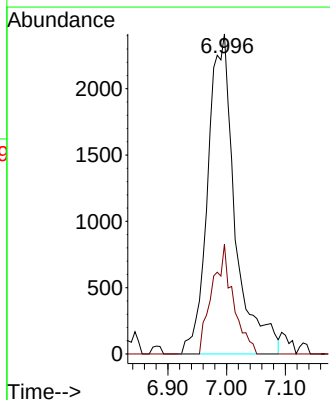
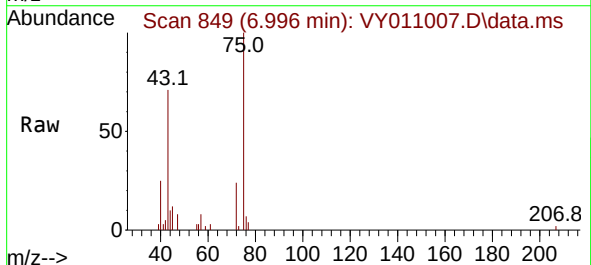
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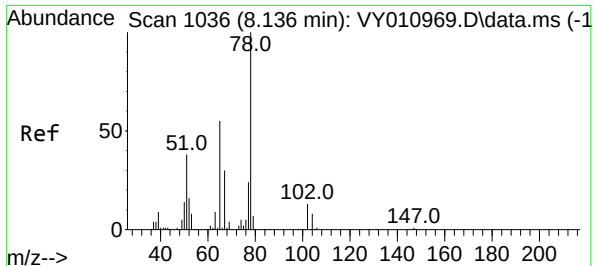
Reviewed By :Krupa Patel 10/20/2022
Supervised By :Mahesh Dadoda 10/20/2022



#25
2-Butanone
Concen: 5.189 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.012 min
Lab File: VY011007.D
Acq: 19 Oct 2022 12:25

Tgt Ion: 43 Resp: 7773
Ion Ratio Lower Upper
43 100
72 34.3 17.7 26.5





#33

1,2-Dichloroethane-d4

Concen: 54.711 ug/l

RT: 8.142 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY011007.D

Acq: 19 Oct 2022 12:25

Instrument :

MSVOA_Y

ClientSampleId :

TRE-1594

Tgt Ion: 65 Resp: 18610

Ion Ratio Lower Upper

65 100

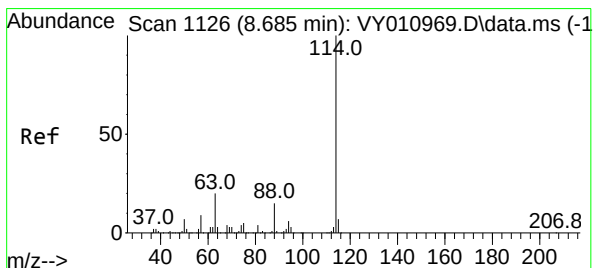
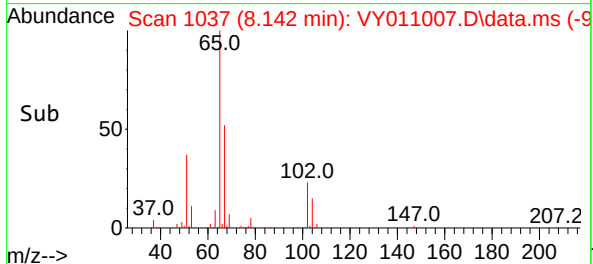
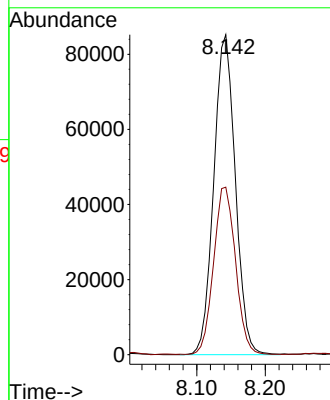
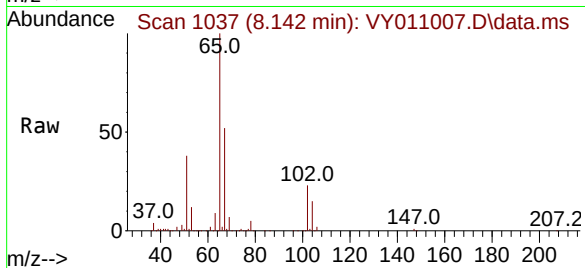
67 53.1 0.0 99.4

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Supervised By :Mahesh Dadoda 10/20/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011007.D

Acq: 19 Oct 2022 12:25

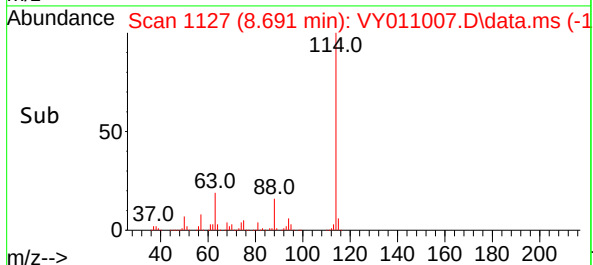
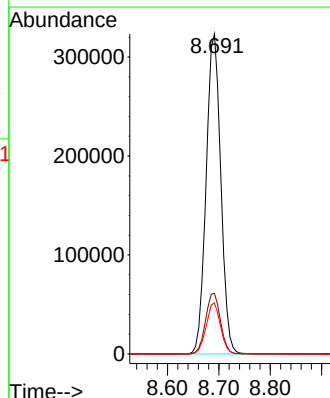
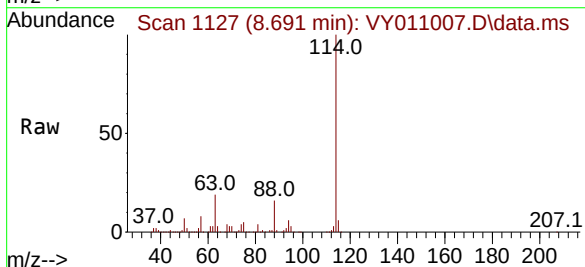
Tgt Ion:114 Resp: 639596

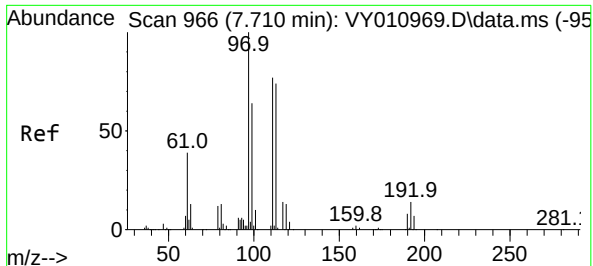
Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 15.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 53.632 ug/l

RT: 7.716 min Scan# 90

Delta R.T. -0.000 min

Lab File: VY011007.D

Acq: 19 Oct 2022 12:25

Instrument :

MSVOA_Y

ClientSampleId :

TRE-1594

Tgt Ion:113 Resp: 19065

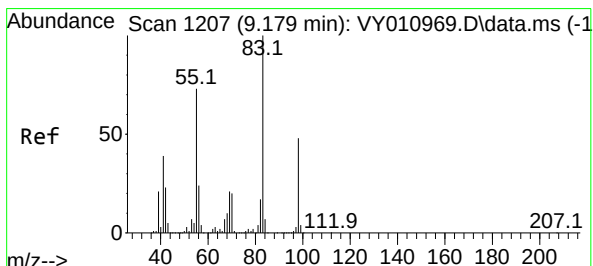
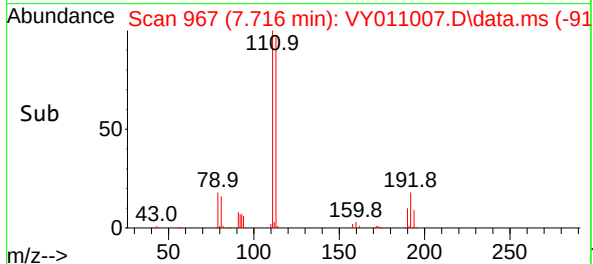
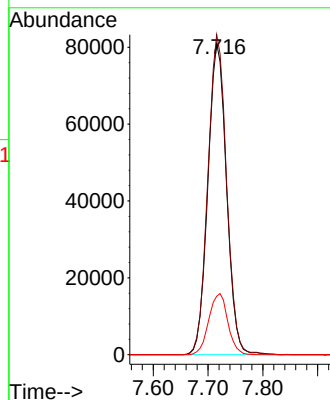
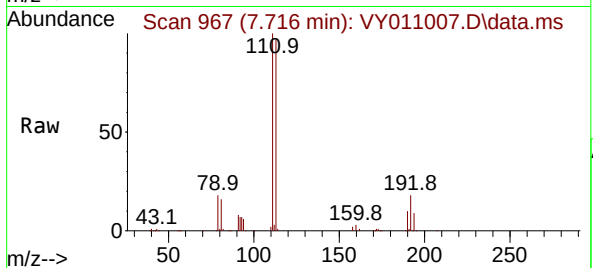
Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.6	124.0
192	20.1	17.6	26.4

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Supervised By :Mahesh Dadoda 10/20/2022



#39

Methylcyclohexane

Concen: 6.005 ug/l

RT: 9.185 min Scan# 1208

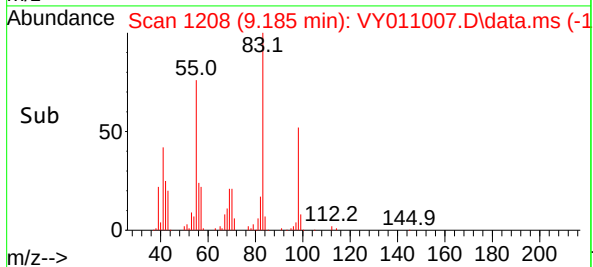
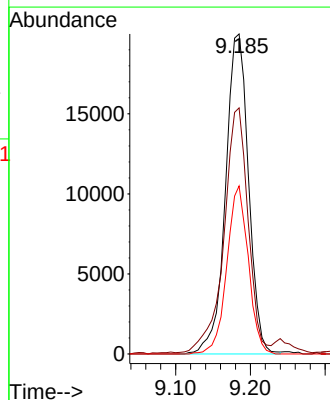
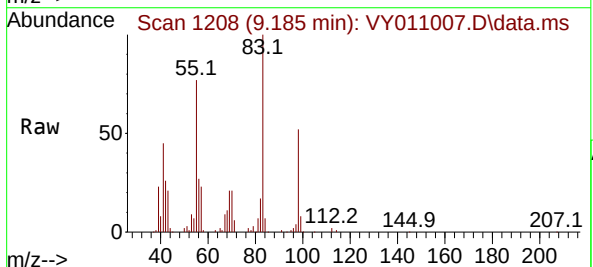
Delta R.T. -0.000 min

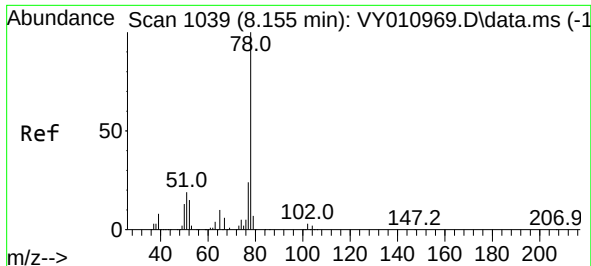
Lab File: VY011007.D

Acq: 19 Oct 2022 12:25

Tgt Ion: 83 Resp: 42822

Ion	Ratio	Lower	Upper
83	100		
55	76.4	66.5	99.7
98	52.5	37.9	56.9





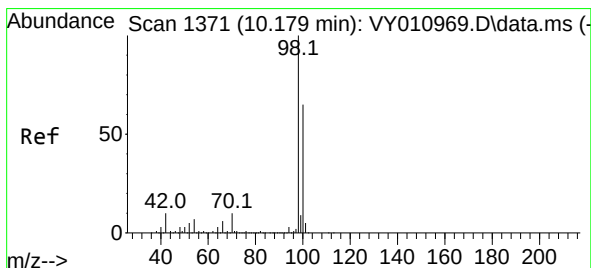
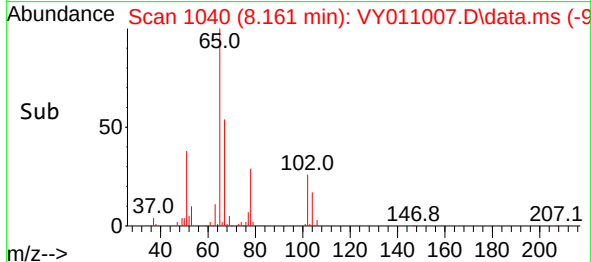
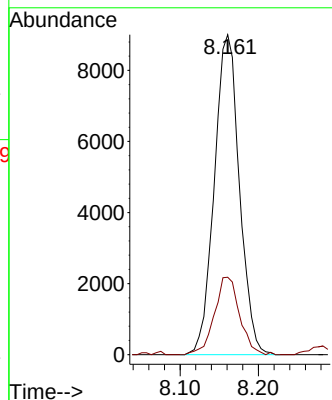
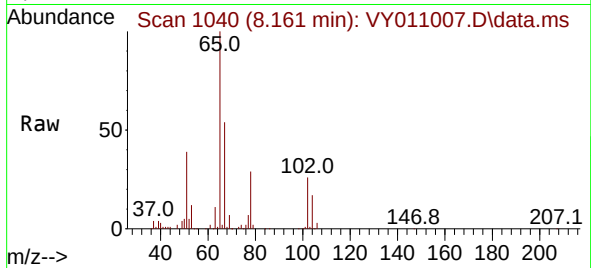
#40
Benzene
Concen: 1.148 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY011007.D
Acq: 19 Oct 2022 12:25

Instrument :
MSVOA_Y
ClientSampleId :
TRE-1594

Tgt Ion: 78 Resp: 20059
Ion Ratio Lower Upper
78 100
77 24.2 20.4 30.6

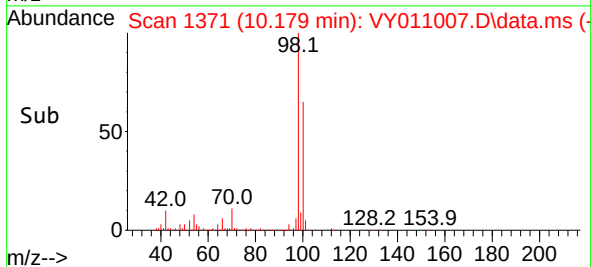
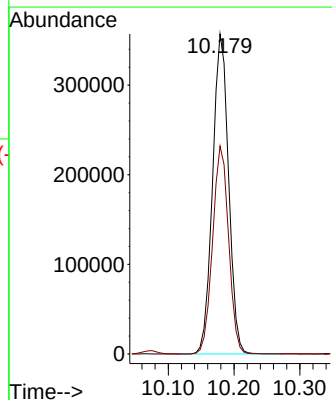
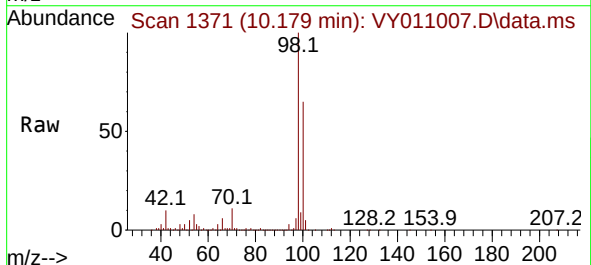
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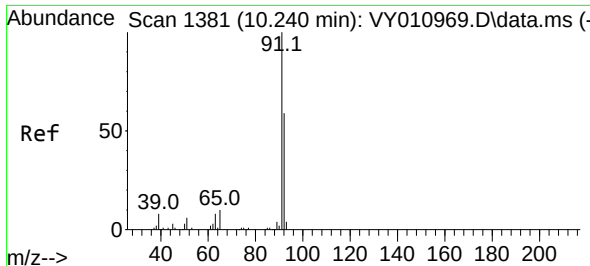
Reviewed By :Krupa Patel 10/20/2022
Supervised By :Mahesh Dadoda 10/20/2022



#50
Toluene-d8
Concen: 45.267 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011007.D
Acq: 19 Oct 2022 12:25

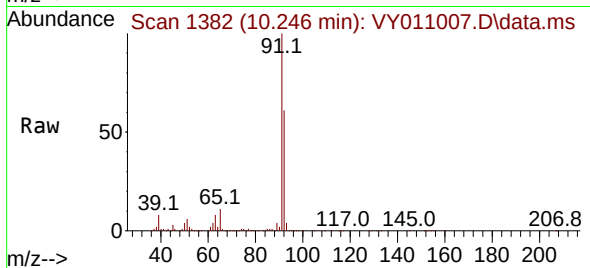
Tgt Ion: 98 Resp: 604525
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2





#52
Toluene
Concen: 333.581 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY011007.D
Acq: 19 Oct 2022 12:25

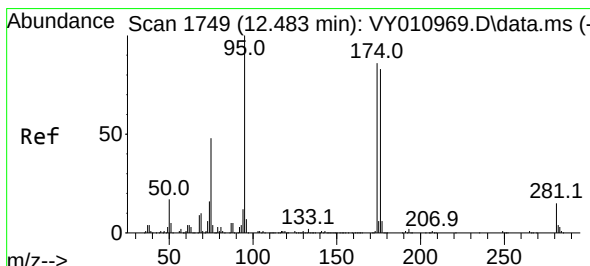
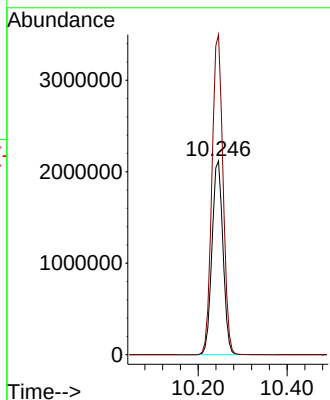
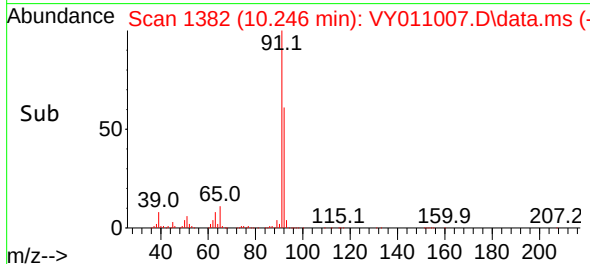
Instrument :
MSVOA_Y
ClientSampleId :
TRE-1594



Tgt Ion: 92 Resp: 362040
Ion Ratio Lower Upper
92 100
91 166.8 142.6 213.8

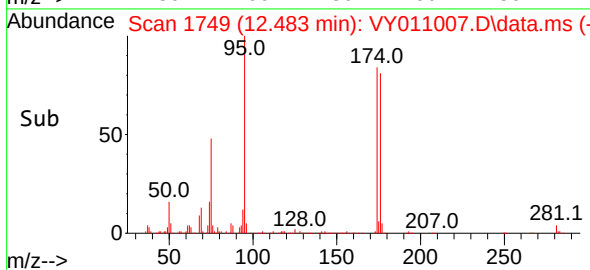
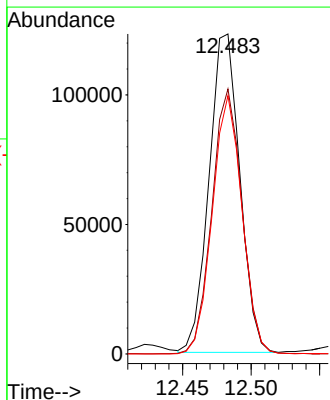
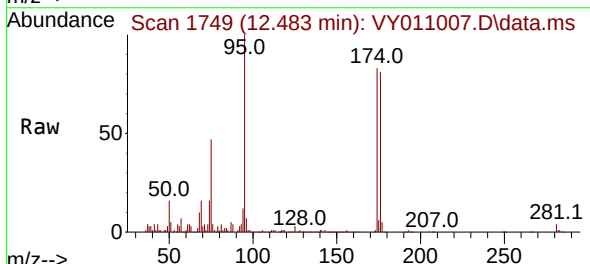
Manual Integrations
APPROVED

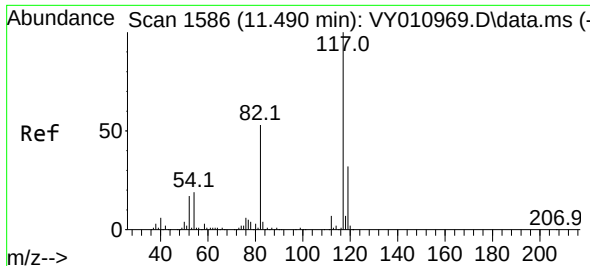
Reviewed By :Krupa Patel 10/20/2022
Supervised By :Mahesh Dadoda 10/20/2022



#62
4-Bromofluorobenzene
Concen: 40.003 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011007.D
Acq: 19 Oct 2022 12:25

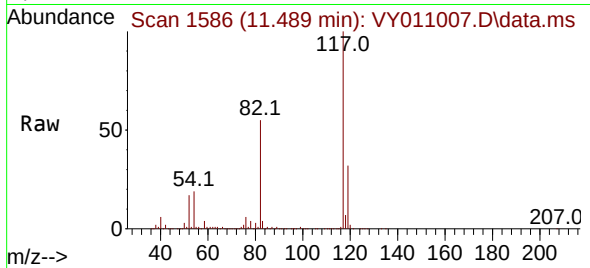
Tgt Ion: 95 Resp: 192138
Ion Ratio Lower Upper
95 100
174 81.0 0.0 177.0
176 78.2 0.0 175.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011007.D
Acq: 19 Oct 2022 12:25

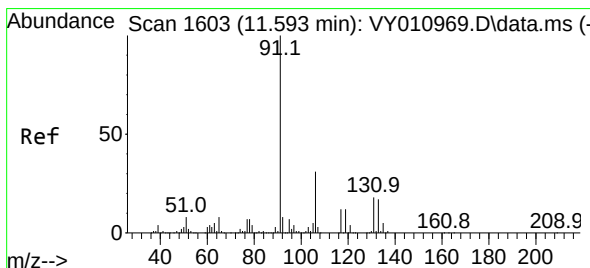
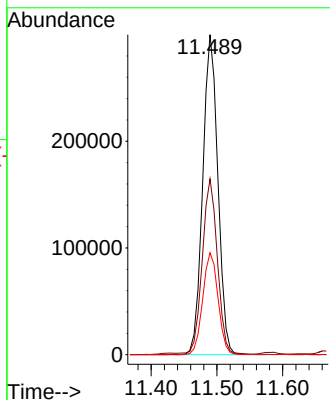
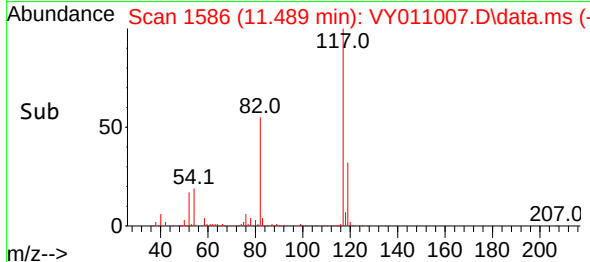
Instrument :
MSVOA_Y
ClientSampleId :
TRE-1594



Tgt Ion:117 Resp: 479852
Ion Ratio Lower Upper
117 100
82 54.5 43.0 64.4
119 31.9 25.4 38.0

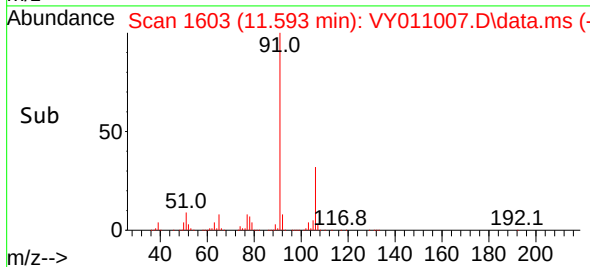
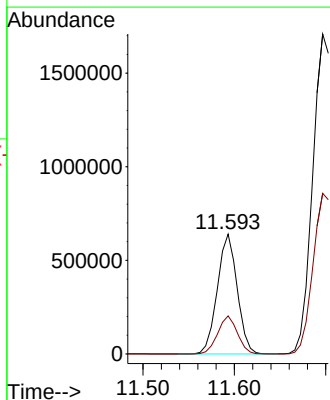
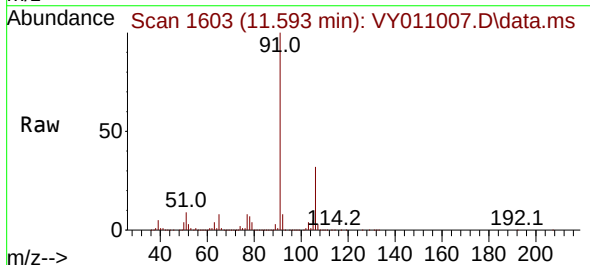
Manual Integrations
APPROVED

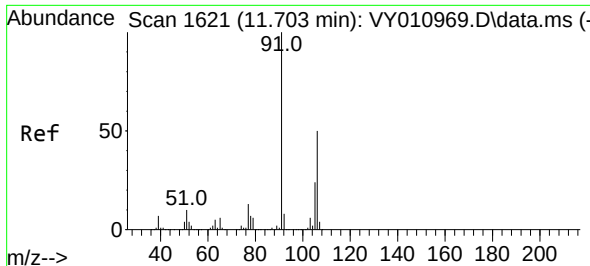
Reviewed By :Krupa Patel 10/20/2022
Supervised By :Mahesh Dadoda 10/20/2022



#67
Ethyl Benzene
Concen: 55.399 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY011007.D
Acq: 19 Oct 2022 12:25

Tgt Ion: 91 Resp: 965536
Ion Ratio Lower Upper
91 100
106 31.8 24.5 36.7





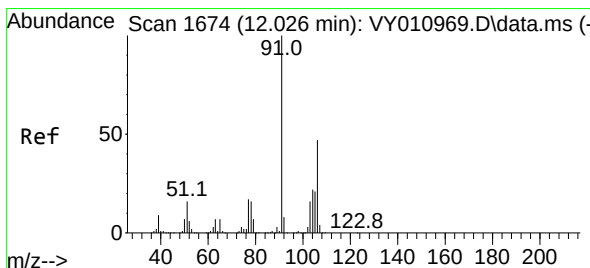
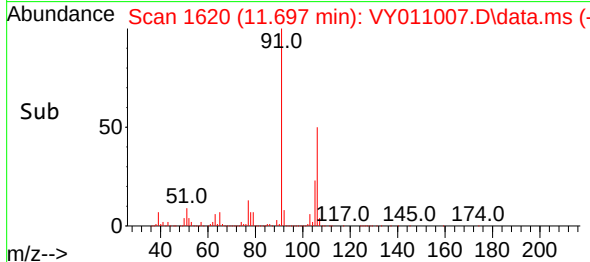
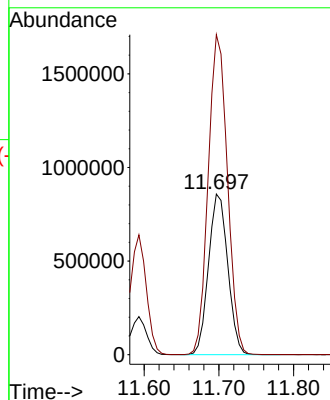
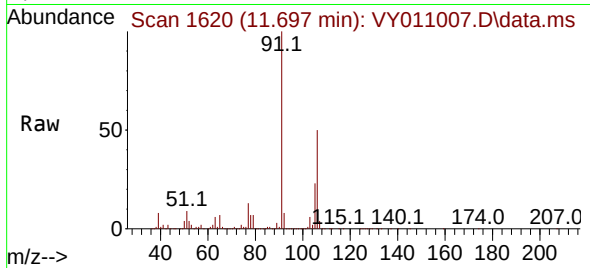
#68
m/p-Xylenes
Concen: 229.160 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY011007.D
Acq: 19 Oct 2022 12:25

Instrument :
MSVOA_Y
ClientSampleId :
TRE-1594

Tgt Ion:106 Resp: 153640
Ion Ratio Lower Upper
106 100
91 198.7 166.6 249.8

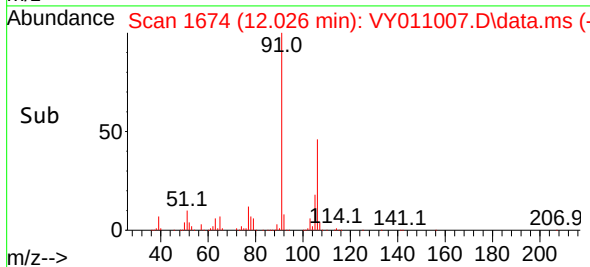
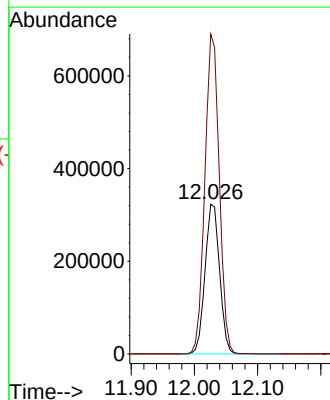
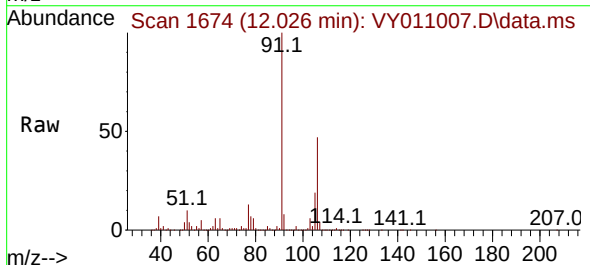
Manual Integrations
APPROVED

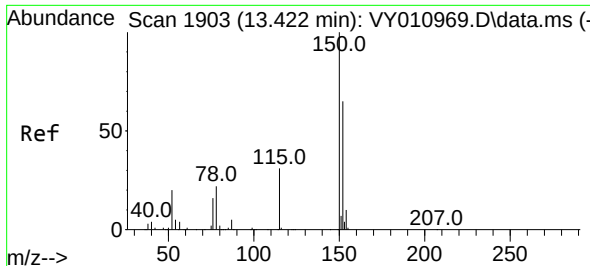
Reviewed By :Krupa Patel 10/20/2022
Supervised By :Mahesh Dadoda 10/20/2022



#69
o-Xylene
Concen: 81.249 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY011007.D
Acq: 19 Oct 2022 12:25

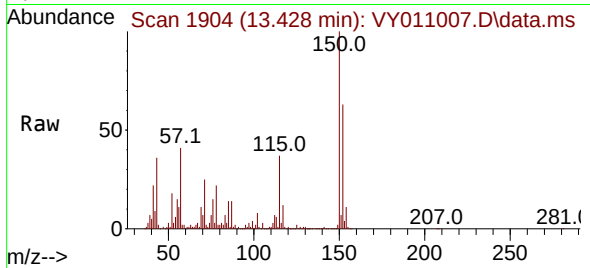
Tgt Ion:106 Resp: 517258
Ion Ratio Lower Upper
106 100
91 211.5 110.3 331.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY011007.D
Acq: 19 Oct 2022 12:25

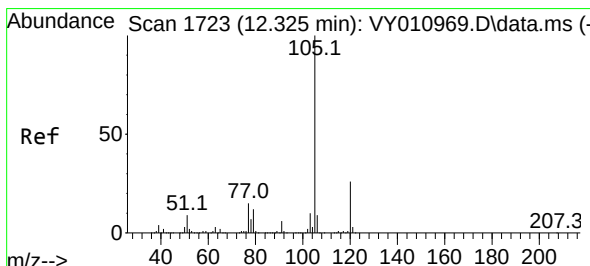
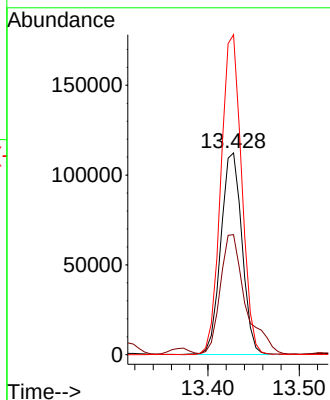
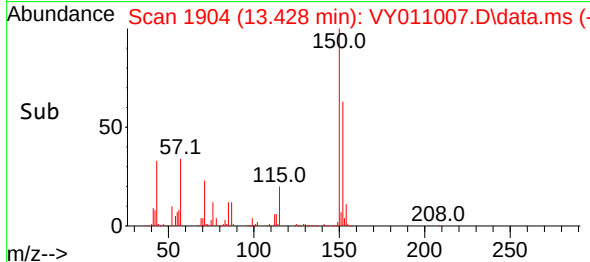
Instrument :
MSVOA_Y
ClientSampleId :
TRE-1594



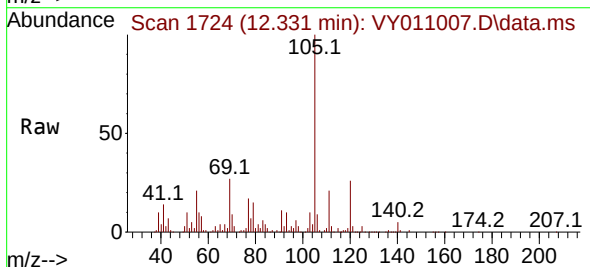
Tgt Ion:152 Resp: 180904
Ion Ratio Lower Upper
152 100
115 70.5 28.2 84.7
150 156.0 0.0 347.6

Manual Integrations
APPROVED

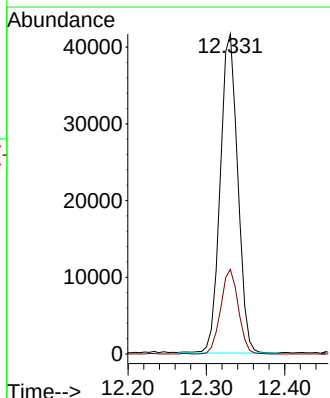
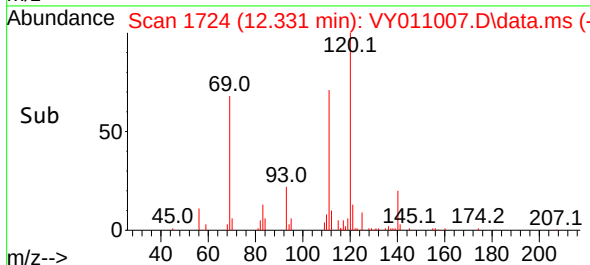
Reviewed By :Krupa Patel 10/20/2022
Supervised By :Mahesh Dadoda 10/20/2022

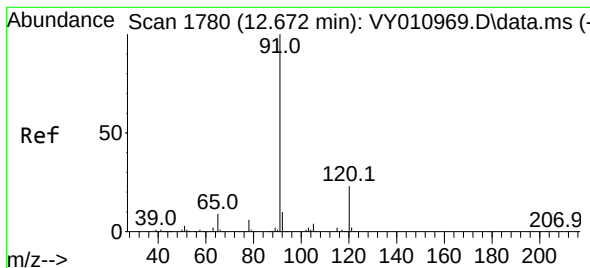


#73
Isopropylbenzene
Concen: 4.928 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY011007.D
Acq: 19 Oct 2022 12:25



Tgt Ion:105 Resp: 64764
Ion Ratio Lower Upper
105 100
120 26.7 13.4 40.2





#78

n-propylbenzene

Concen: 14.288 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY011007.D

Acq: 19 Oct 2022 12:25

Instrument :

MSVOA_Y

ClientSampleId :

TRE-1594

Tgt Ion: 91 Resp: 228470

Ion Ratio Lower Upper

91 100

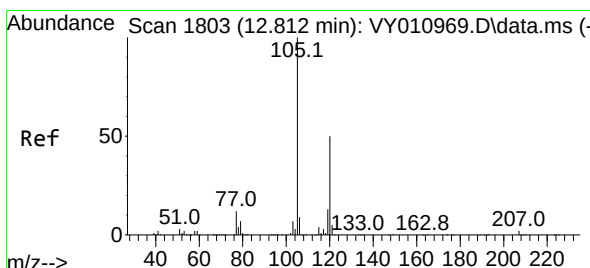
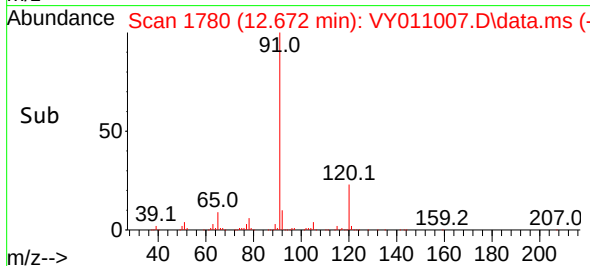
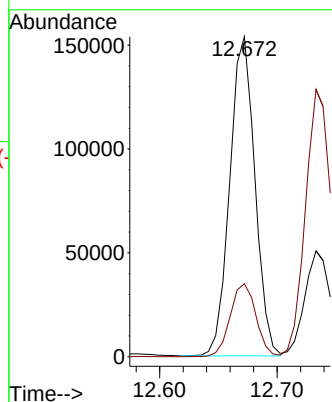
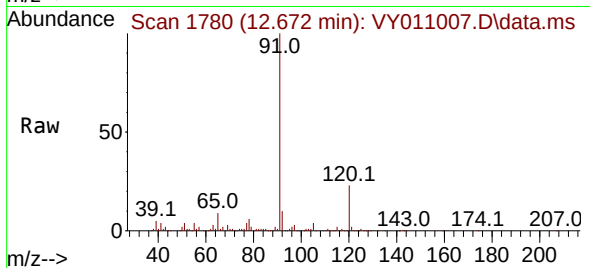
120 23.4 11.3 33.9

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 10/20/2022

Supervised By :Mahesh Dadoda 10/20/2022



#80

1,3,5-Trimethylbenzene

Concen: 25.051 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY011007.D

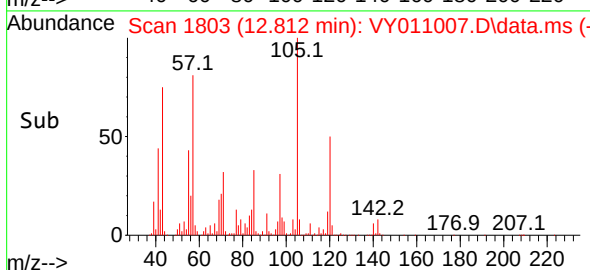
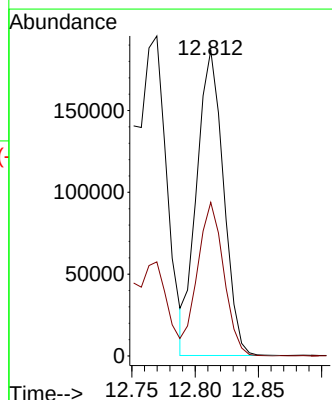
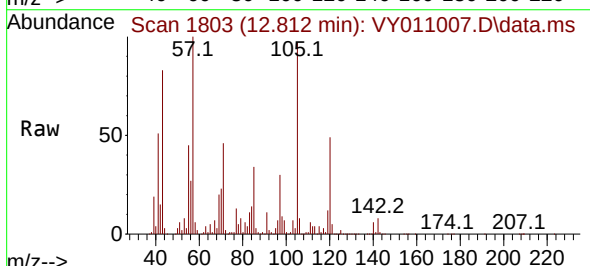
Acq: 19 Oct 2022 12:25

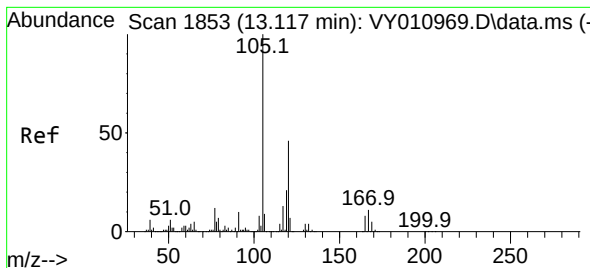
Tgt Ion:105 Resp: 274710

Ion Ratio Lower Upper

105 100

120 49.7 24.4 73.4





#84

1,2,4-Trimethylbenzene

Concen: 103.416 ug/l m

RT: 13.123 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VY011007.D

Acq: 19 Oct 2022 12:25

Instrument :

MSVOA_Y

ClientSampleId :

TRE-1594

Tgt Ion:105 Resp: 1118284

Ion Ratio Lower Upper

105 100

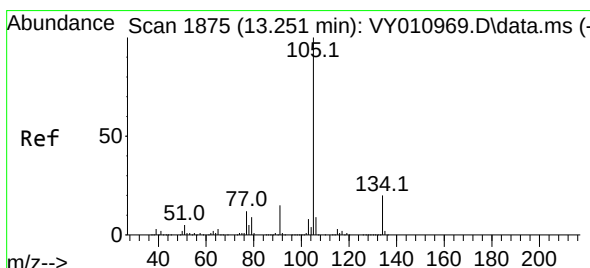
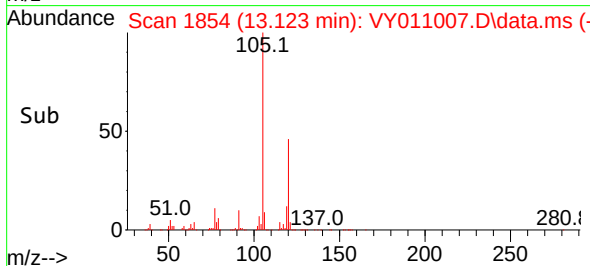
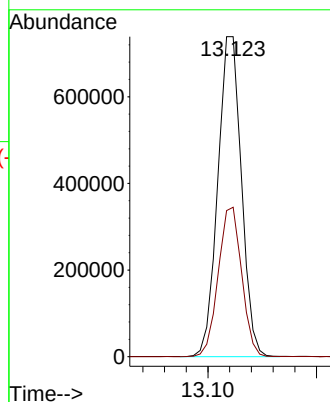
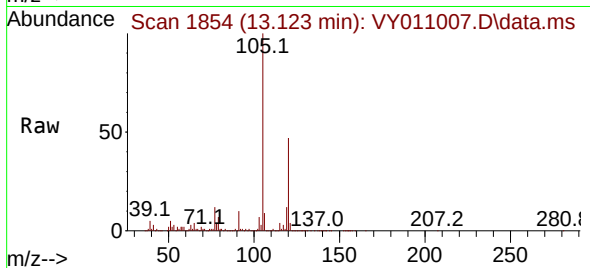
120 0.0 22.3 66.9

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 10/20/2022

Supervised By :Mahesh Dadoda 10/20/2022



#85

sec-Butylbenzene

Concen: 7.451 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY011007.D

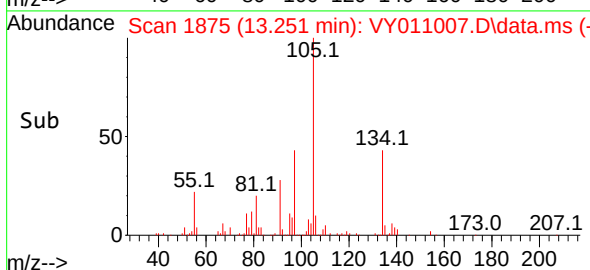
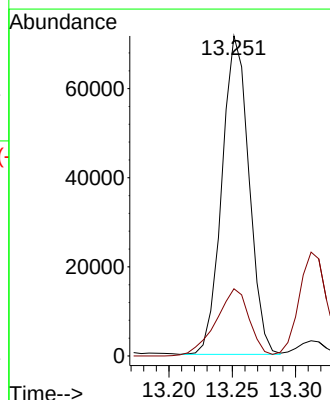
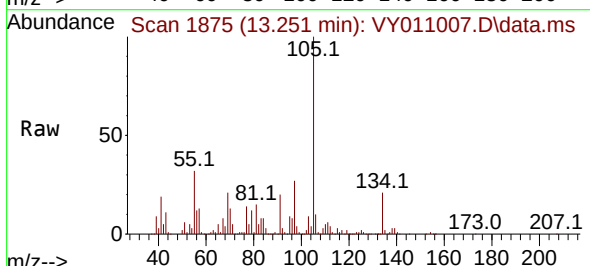
Acq: 19 Oct 2022 12:25

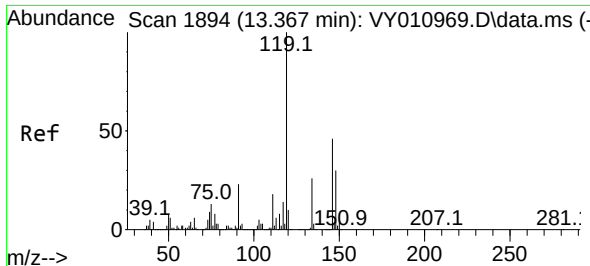
Tgt Ion:105 Resp: 106178

Ion Ratio Lower Upper

105 100

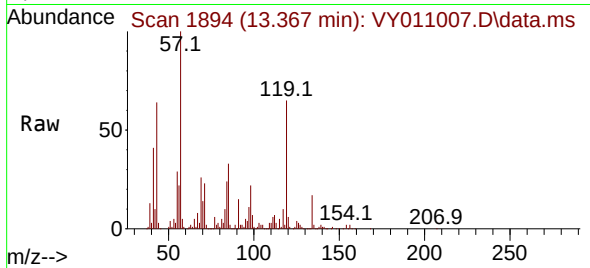
134 26.0 10.2 30.4





#86
p-Isopropyltoluene
Concen: 5.898 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY011007.D
Acq: 19 Oct 2022 12:25

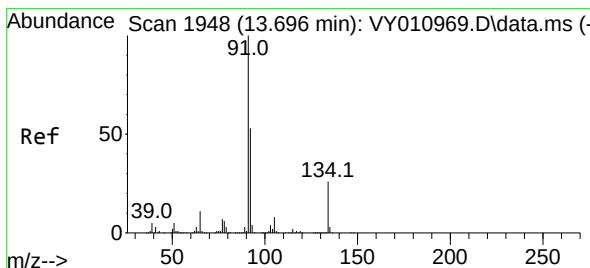
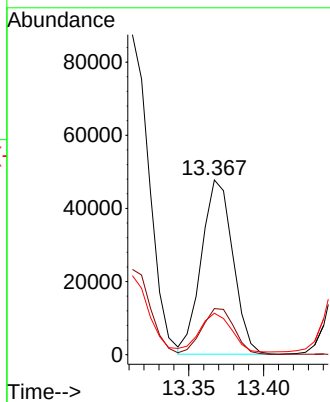
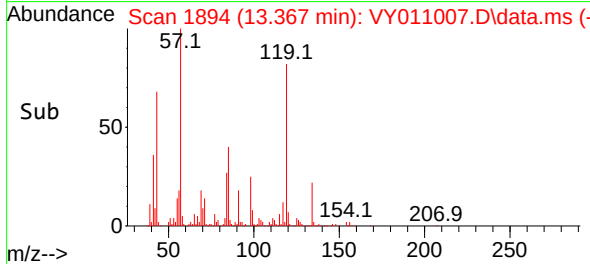
Instrument :
MSVOA_Y
ClientSampleId :
TRE-1594



Tgt Ion: 119 Resp: 69720
Ion Ratio Lower Upper
119 100
134 27.1 13.2 39.5
91 22.2 12.4 37.2

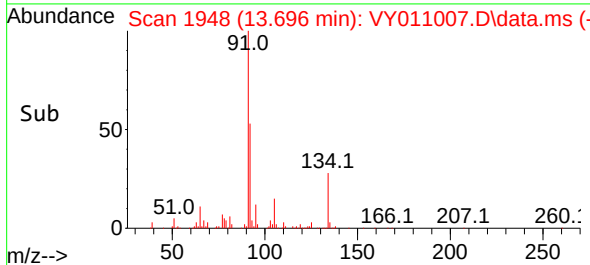
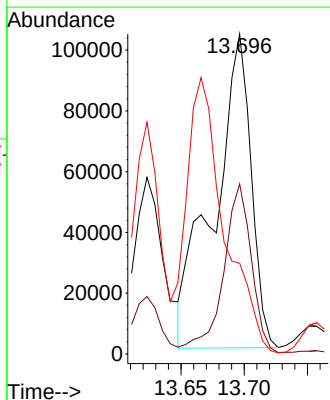
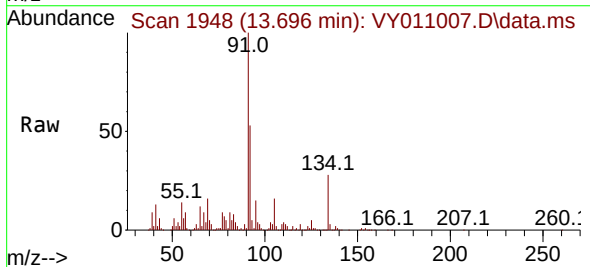
Manual Integrations
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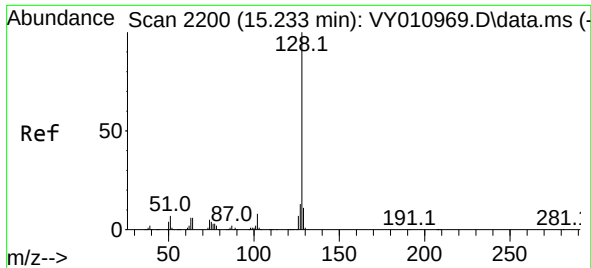
Reviewed By :Krupa Patel 10/20/2022
Supervised By :Mahesh Dadoda 10/20/2022



#89
n-Butylbenzene
Concen: 19.082 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY011007.D
Acq: 19 Oct 2022 12:25

Tgt Ion: 91 Resp: 210783
Ion Ratio Lower Upper
91 100
92 40.5 26.3 78.9
134 0.0 13.0 38.9





#95

Naphthalene

Concen: 37.141 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY011007.D

Acq: 19 Oct 2022 12:25

Instrument :

MSVOA_Y

ClientSampleId :

TRE-1594

Tgt Ion:128 Resp: 24798

Ion Ratio Lower Upper

128 100

127 13.7 11.0 16.4

129 12.0 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 10/20/2022

Supervised By :Mahesh Dadoda 10/20/2022

