

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080823\
 Data File : VY014994.D
 Acq On : 08 Aug 2023 18:44
 Operator : SY/MD
 Sample : 03911-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PSCR206(164716)

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 08/09/2023
 Supervised By :Semsettin Yesilyurt 08/09/2023

Quant Time: Aug 09 01:04:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	54484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	82702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	73042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	43417	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	26124	39.560	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	79.120%		
35) Dibromofluoromethane	7.716	113	24137	45.639	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.280%		
50) Toluene-d8	10.179	98	116966	58.106	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	116.220%		
62) 4-Bromofluorobenzene	12.477	95	51933	72.793	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	145.580%#		
Target Compounds					Qvalue	
10) Methyl Iodide	4.100	142	1668	3.264	ug/l #	89
16) Acetone	3.942	43	6090	29.574	ug/l #	88
31) Cyclohexane	7.758	56	29833	43.194	ug/l #	51
39) Methylcyclohexane	9.185	83	81298	104.118	ug/l	99
67) Ethyl Benzene	11.593	91	689568	283.497	ug/l	99
68) m/p-Xylenes	11.697	106	809020	869.451	ug/l	96
69) o-Xylene	12.026	106	12908	14.177	ug/l	99
73) Isopropylbenzene	12.331	105	182934	62.679	ug/l	100
78) n-propylbenzene	12.672	91	1334048	382.166	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	1975587	821.414	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	7334599	3043.817	ug/l	96
85) sec-Butylbenzene	13.251	105	189395m	58.652	ug/l	
86) p-Isopropyltoluene	13.367	119	73823m	27.619	ug/l	
89) n-Butylbenzene	13.696	91	372985	148.516	ug/l #	72

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

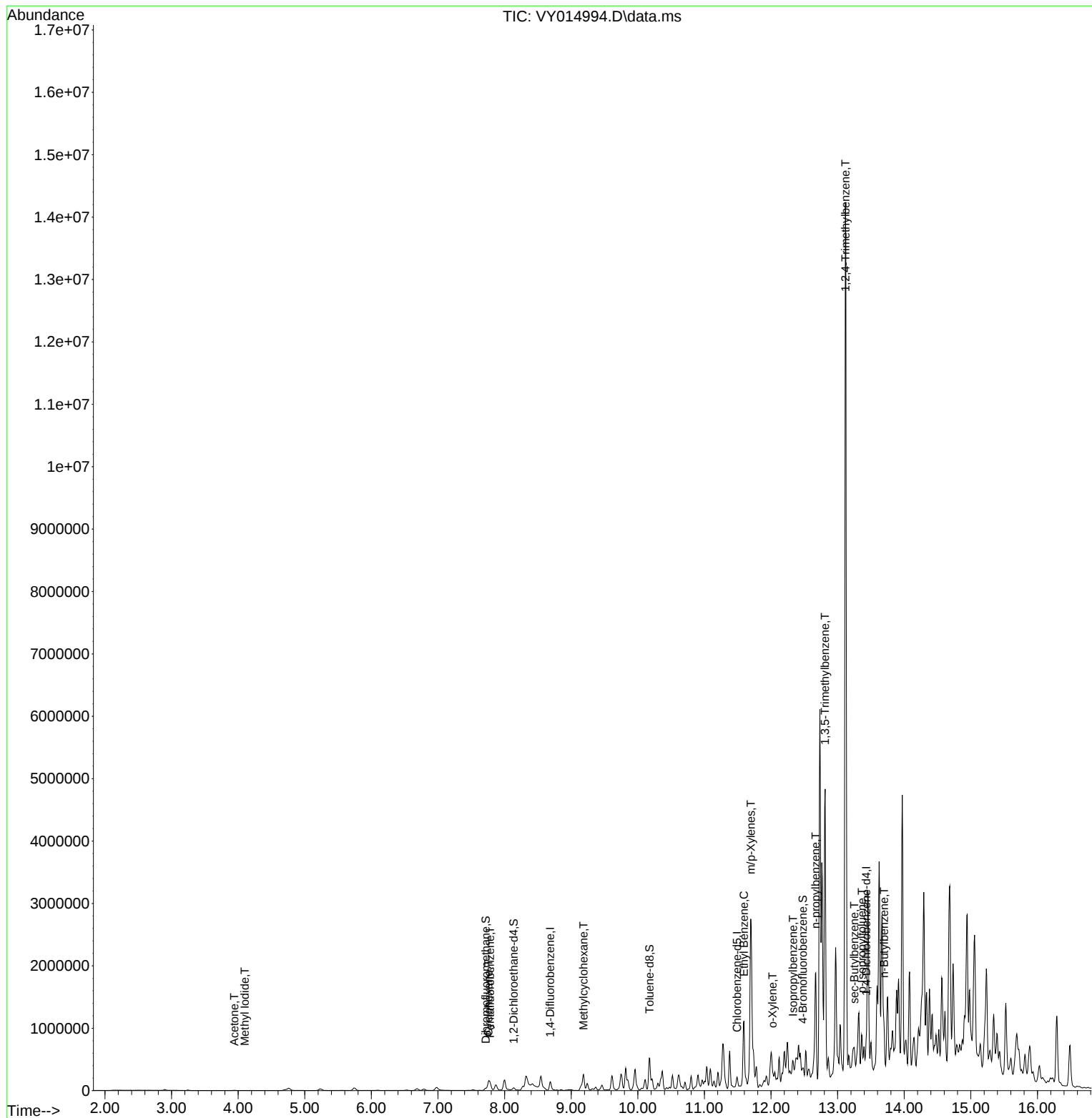
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080823\
Data File : VY014994.D
Acq On : 08 Aug 2023 18:44
Operator : SY/MD
Sample : 03911-01
Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

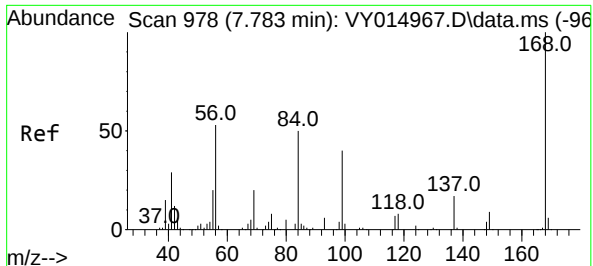
Instrument :
MSVOA_Y
ClientSampleId :
PSCR206(164716)

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 08/09/2023
Supervised By :Semsettin Yesilyurt 08/09/2023

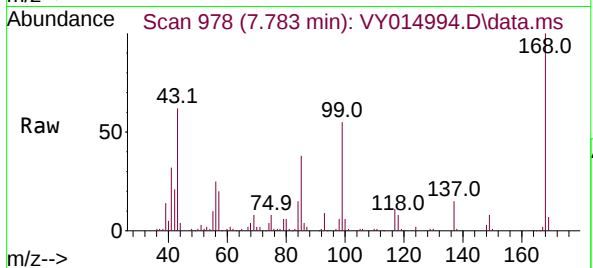
Quant Time: Aug 09 01:04:58 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 08 07:44:56 2023
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014994.D
Acq: 08 Aug 2023 18:44

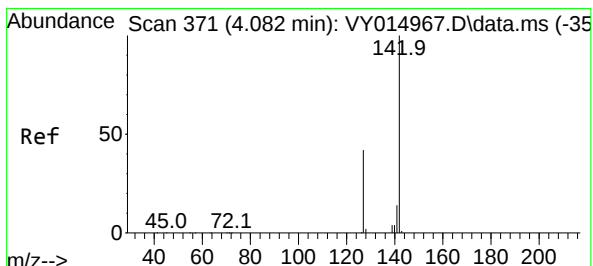
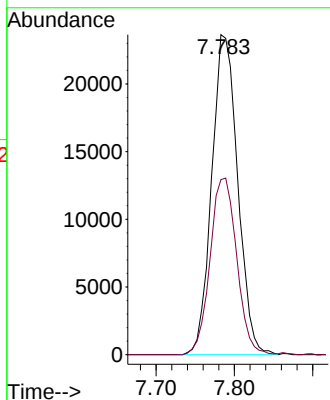
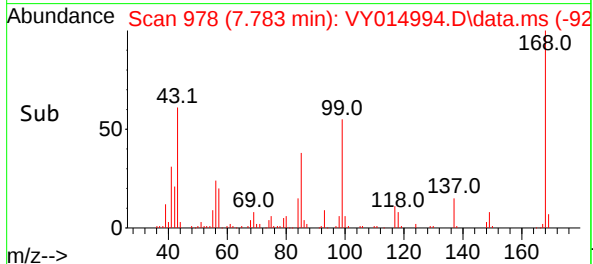
Instrument :
MSVOA_Y
ClientSampleId :
PSCR206(164716)



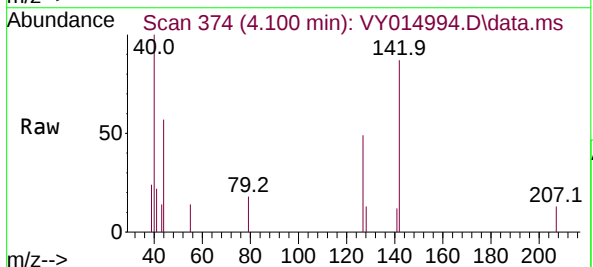
Tgt Ion:168 Resp: 54484
Ion Ratio Lower Upper
168 100
99 54.7 43.4 65.0

Manual Integrations
APPROVED

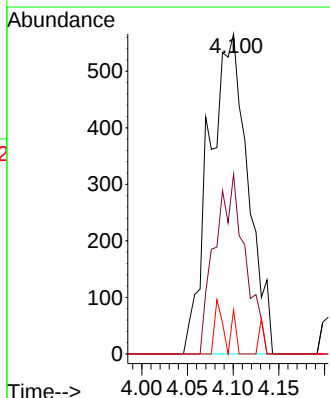
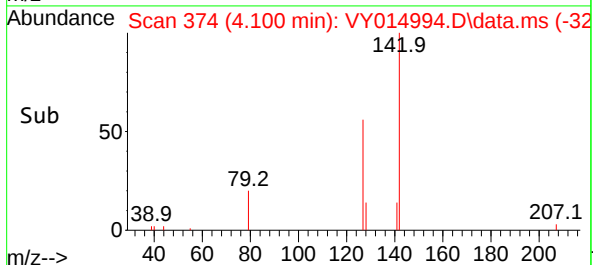
Reviewed By :Romaben Patel 08/09/2023
Supervised By :Semsettin Yesilyurt 08/09/2023

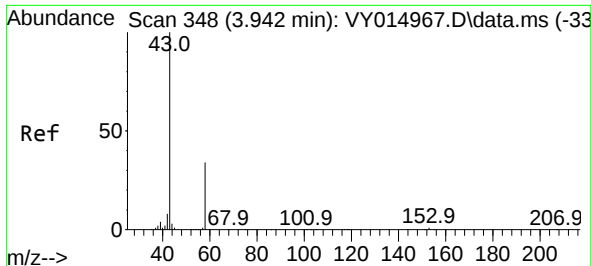


#10
Methyl Iodide
Concen: 3.264 ug/l
RT: 4.100 min Scan# 374
Delta R.T. 0.018 min
Lab File: VY014994.D
Acq: 08 Aug 2023 18:44



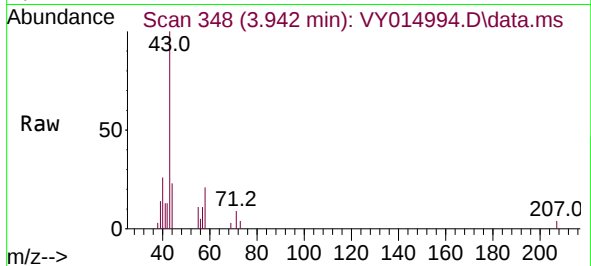
Tgt Ion:142 Resp: 1668
Ion Ratio Lower Upper
142 100
127 43.6 37.6 56.4
141 3.3 11.8 17.8#





#16
Acetone
Concen: 29.574 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY014994.D
Acq: 08 Aug 2023 18:44

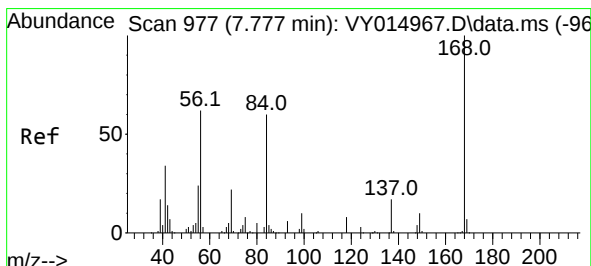
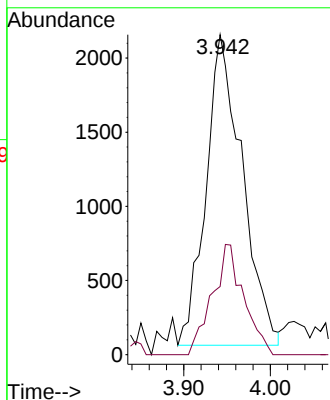
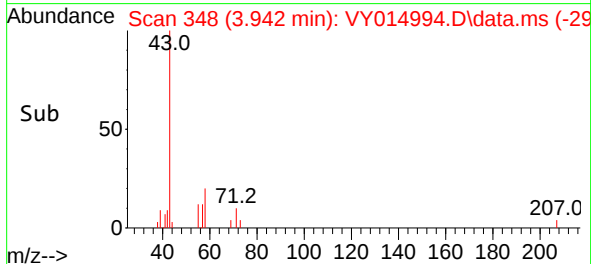
Instrument :
MSVOA_Y
ClientSampleId :
PSCR206(164716)



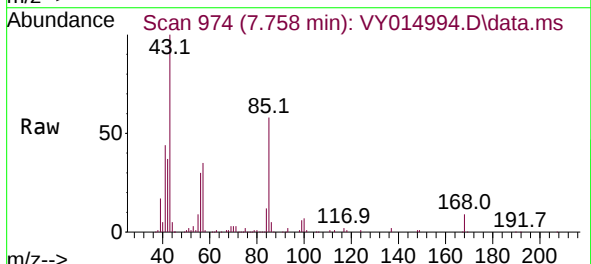
Tgt Ion: 43 Resp: 6090
Ion Ratio Lower Upper
43 100
58 21.9 22.7 34.1

Manual Integrations
APPROVED

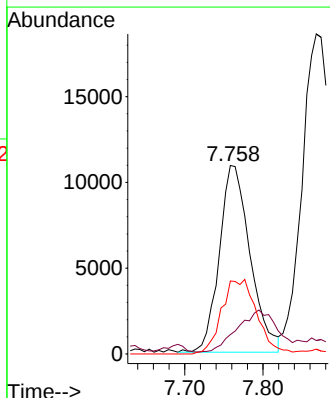
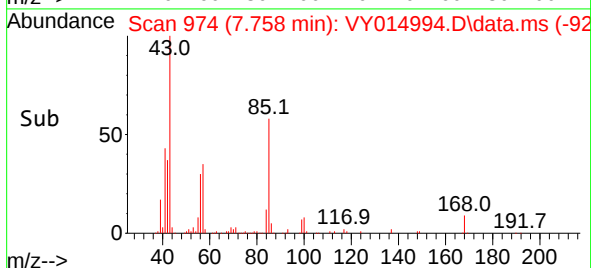
Reviewed By :Romaben Patel 08/09/2023
Supervised By :Semsettin Yesilyurt 08/09/2023

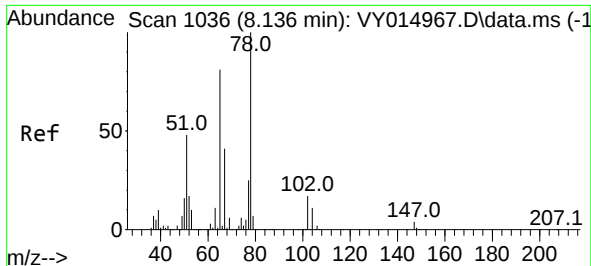


#31
Cyclohexane
Concen: 43.194 ug/l
RT: 7.758 min Scan# 974
Delta R.T. -0.019 min
Lab File: VY014994.D
Acq: 08 Aug 2023 18:44



Tgt Ion: 56 Resp: 29833
Ion Ratio Lower Upper
56 100
69 5.3 27.8 41.6#
84 39.1 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 39.560 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY014994.D

Acq: 08 Aug 2023 18:44

Instrument :

MSVOA_Y

ClientSampleId :

PSCR206(164716)

Tgt Ion: 65 Resp: 26124

Ion Ratio Lower Upper

65 100

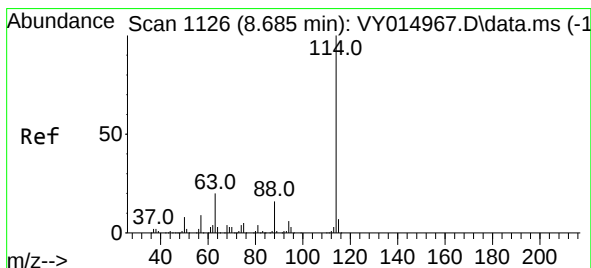
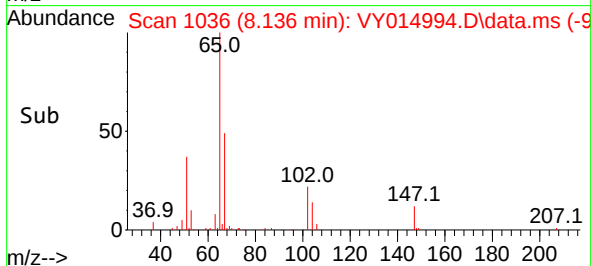
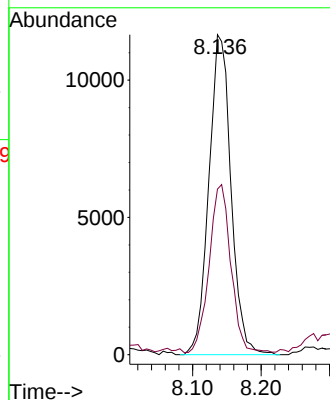
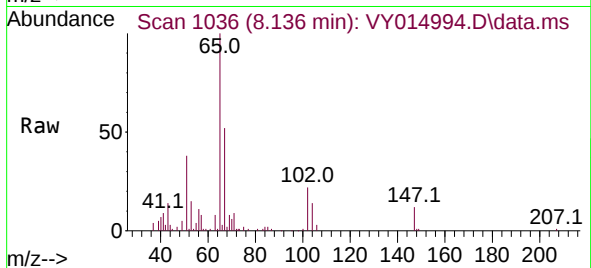
67 51.3 0.0 101.8

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 08/09/2023

Supervised By :Semsettin Yesilyurt 08/09/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY014994.D

Acq: 08 Aug 2023 18:44

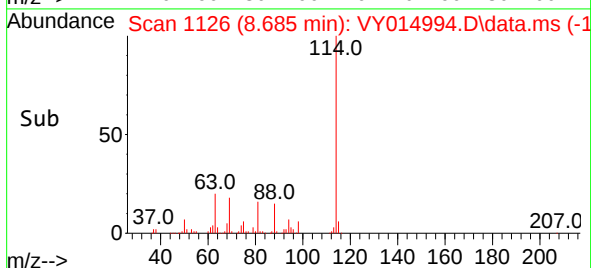
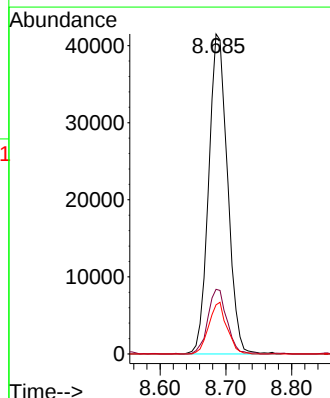
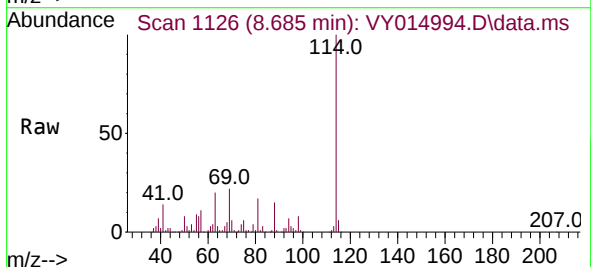
Tgt Ion:114 Resp: 82702

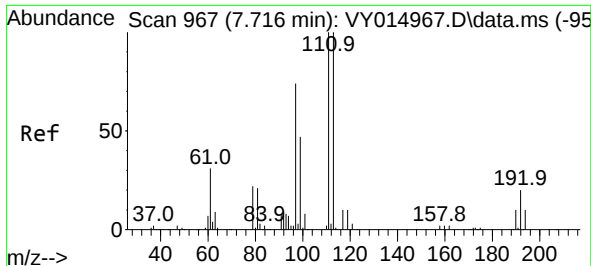
Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.4

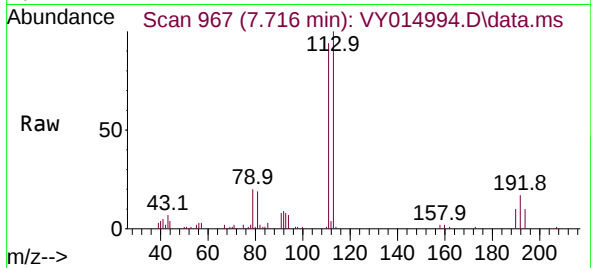
88 15.4 0.0 30.6





#35
Dibromofluoromethane
Concen: 45.639 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY014994.D
Acq: 08 Aug 2023 18:44

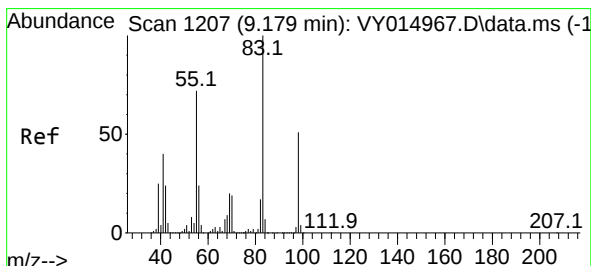
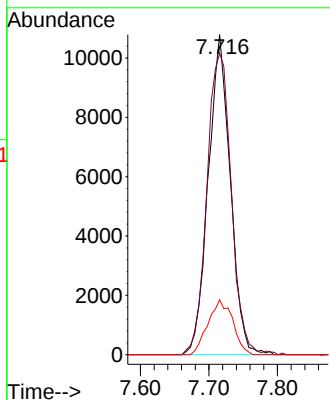
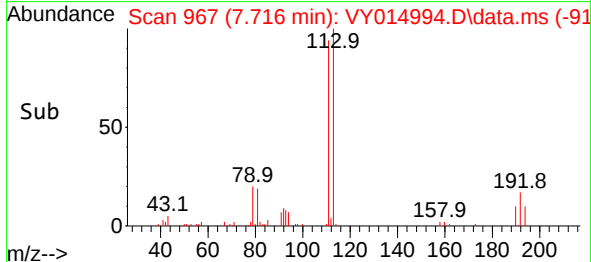
Instrument :
MSVOA_Y
ClientSampleId :
PSCR206(164716)



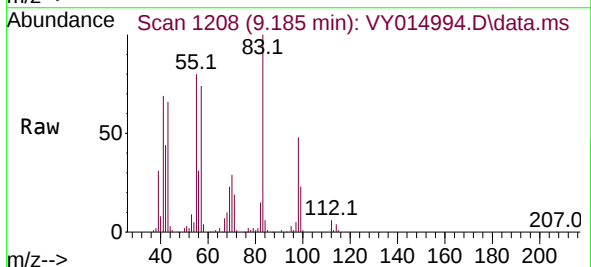
Tgt Ion: 113 Resp: 2413
Ion Ratio Lower Upper
113 100
111 103.4 81.3 121.9
192 19.2 16.9 25.3

Manual Integrations
APPROVED

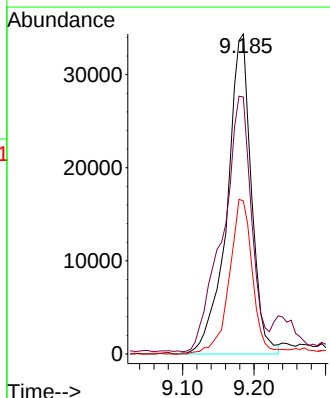
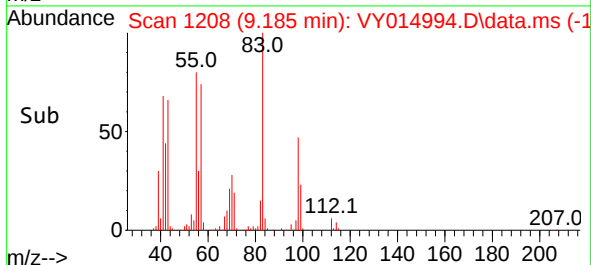
Reviewed By :Romaben Patel 08/09/2023
Supervised By :Semsettin Yesilyurt 08/09/2023

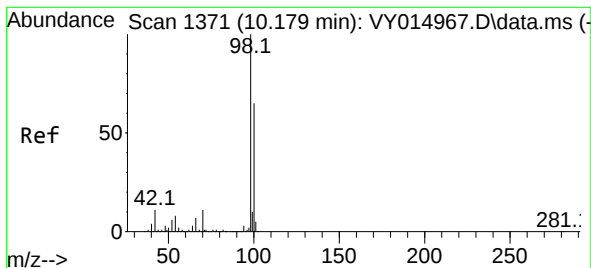


#39
Methylcyclohexane
Concen: 104.118 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. 0.006 min
Lab File: VY014994.D
Acq: 08 Aug 2023 18:44



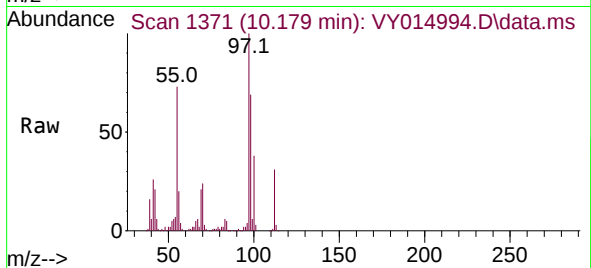
Tgt Ion: 83 Resp: 81298
Ion Ratio Lower Upper
83 100
55 79.3 63.0 94.4
98 47.9 37.4 56.2





#50
Toluene-d8
Concen: 58.106 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014994.D
Acq: 08 Aug 2023 18:44

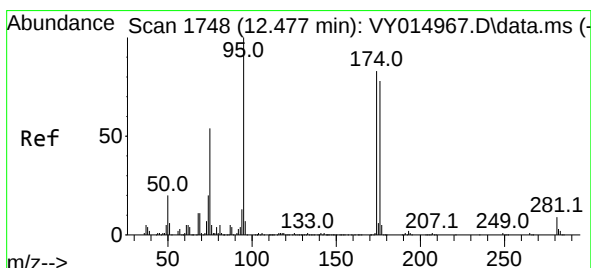
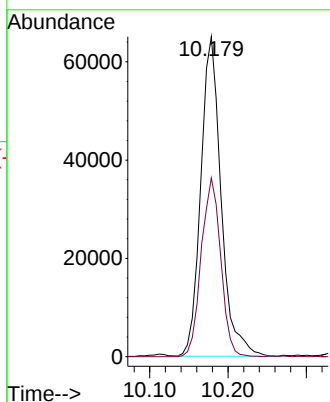
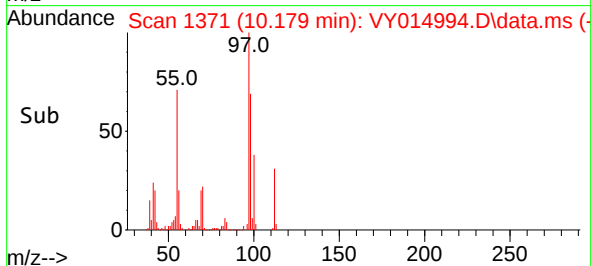
Instrument :
MSVOA_Y
ClientSampleId :
PSCR206(164716)



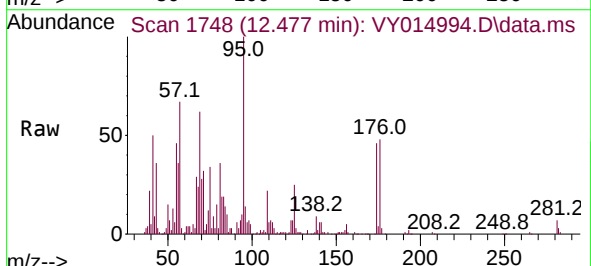
Tgt Ion: 98 Resp: 11696
Ion Ratio Lower Upper
98 100
100 53.5 50.1 75.1

Manual Integrations
APPROVED

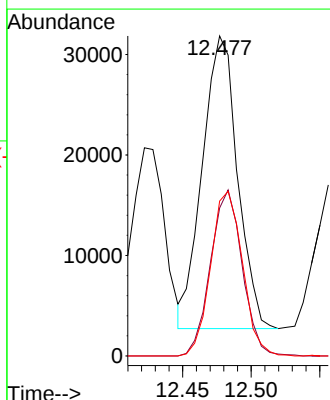
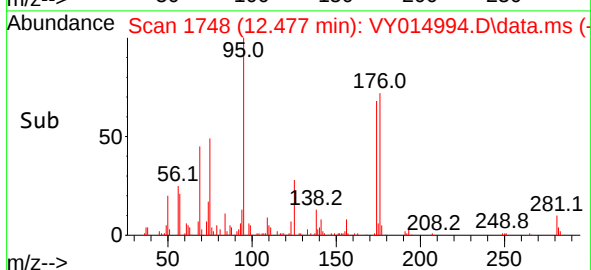
Reviewed By :Romaben Patel 08/09/2023
Supervised By :Semsettin Yesilyurt 08/09/2023

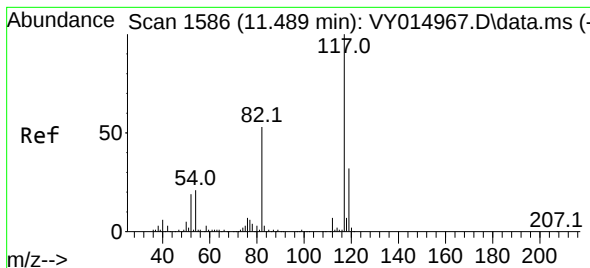


#62
4-Bromofluorobenzene
Concen: 72.793 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY014994.D
Acq: 08 Aug 2023 18:44



Tgt Ion: 95 Resp: 51933
Ion Ratio Lower Upper
95 100
174 51.1 0.0 178.2
176 50.8 0.0 173.8





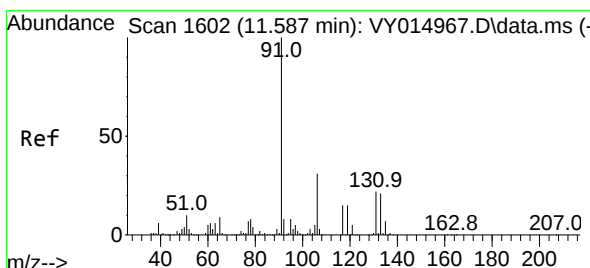
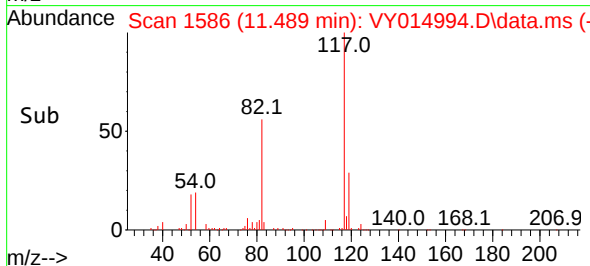
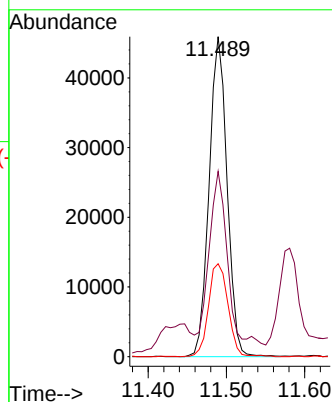
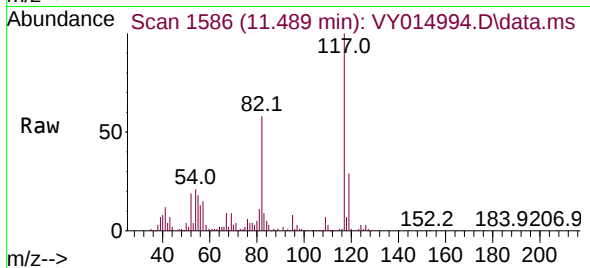
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014994.D
Acq: 08 Aug 2023 18:44

Instrument :
MSVOA_Y
ClientSampleId :
PSCR206(164716)

Tgt Ion:117 Resp: 7304
Ion Ratio Lower Upper
117 100
82 47.8 43.4 65.0
119 29.0 26.3 39.5

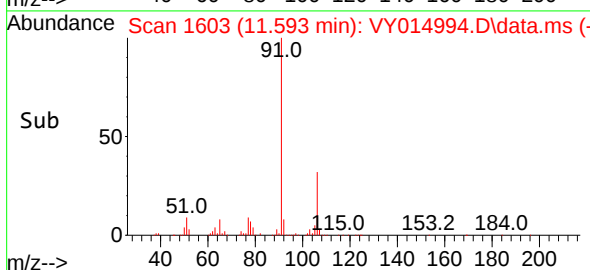
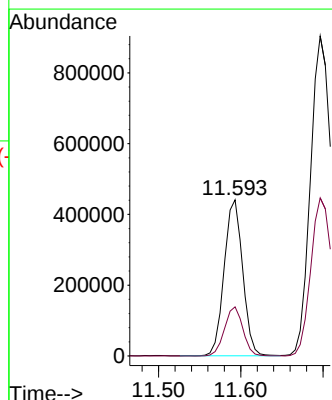
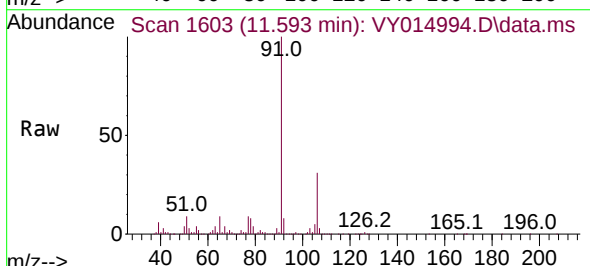
Manual Integrations
APPROVED

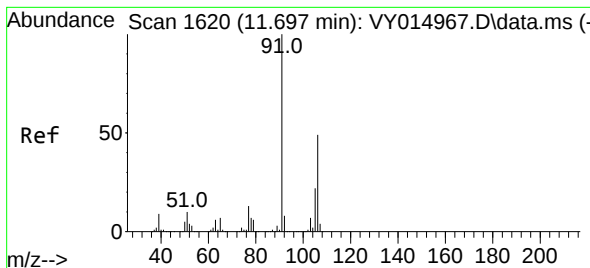
Reviewed By :Romaben Patel 08/09/2023
Supervised By :Semsettin Yesilyurt 08/09/2023



#67
Ethyl Benzene
Concen: 283.497 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VY014994.D
Acq: 08 Aug 2023 18:44

Tgt Ion: 91 Resp: 689568
Ion Ratio Lower Upper
91 100
106 31.5 24.6 36.8





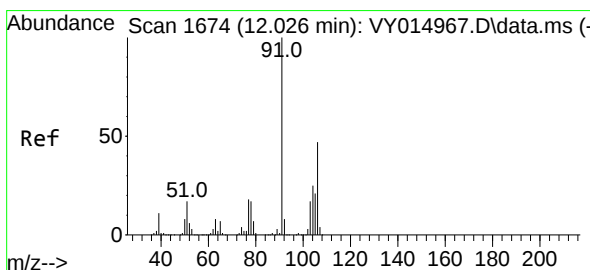
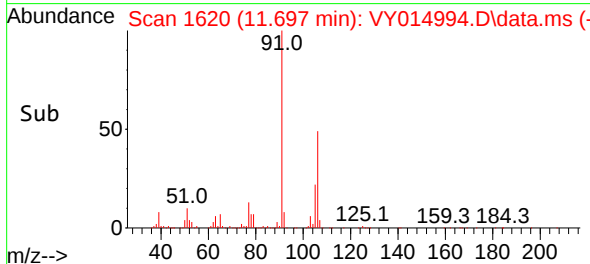
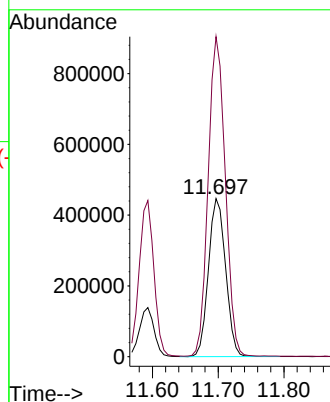
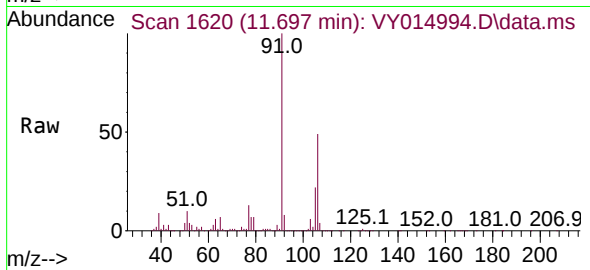
#68
m/p-Xylenes
Concen: 869.451 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VY014994.D
Acq: 08 Aug 2023 18:44

Instrument :
MSVOA_Y
ClientSampleId :
PSCR206(164716)

Tgt Ion:106 Resp: 809020
Ion Ratio Lower Upper
106 100
91 202.0 166.1 249.1

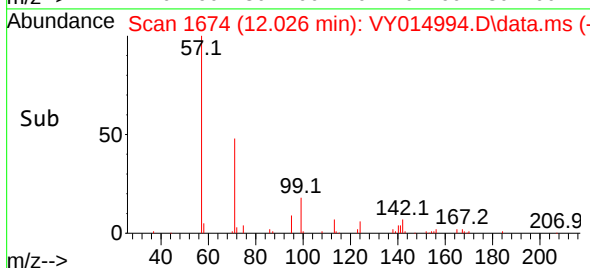
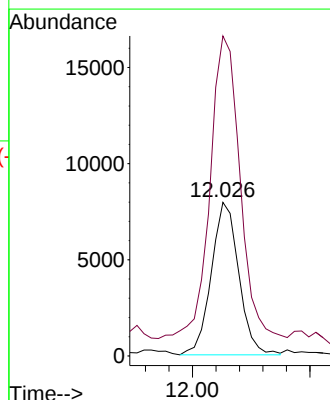
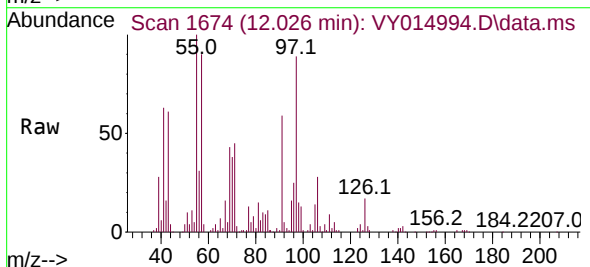
Manual Integrations
APPROVED

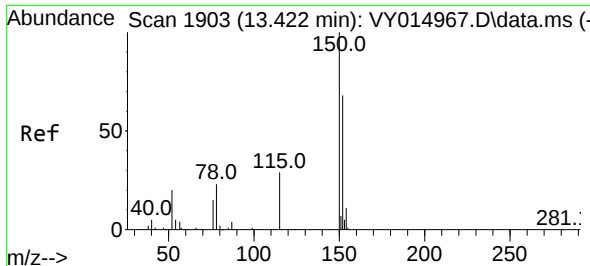
Reviewed By :Romaben Patel 08/09/2023
Supervised By :Semsettin Yesilyurt 08/09/2023



#69
o-Xylene
Concen: 14.177 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY014994.D
Acq: 08 Aug 2023 18:44

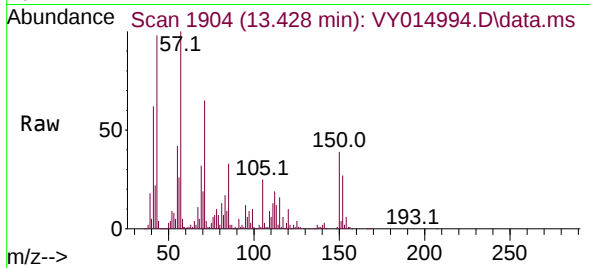
Tgt Ion:106 Resp: 12908
Ion Ratio Lower Upper
106 100
91 214.7 108.1 324.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY014994.D
Acq: 08 Aug 2023 18:44

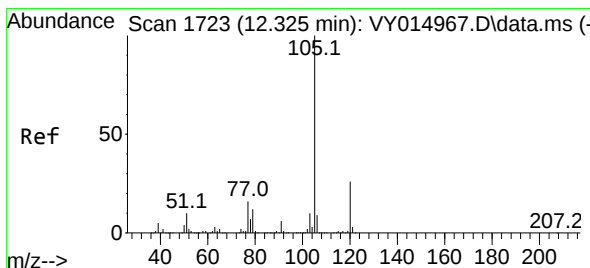
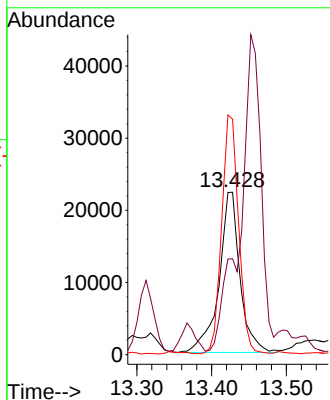
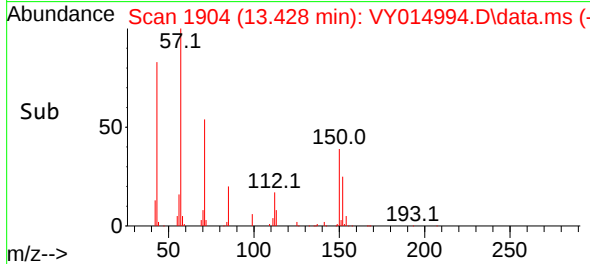
Instrument :
MSVOA_Y
ClientSampleId :
PSCR206(164716)



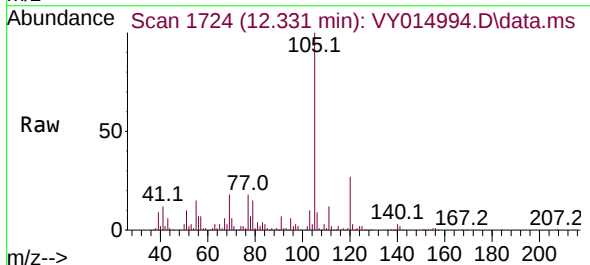
Tgt Ion:152 Resp: 4341
Ion Ratio Lower Upper
152 100
115 0.0 28.8 86.5
150 120.1 0.0 348.8

Manual Integrations
APPROVED

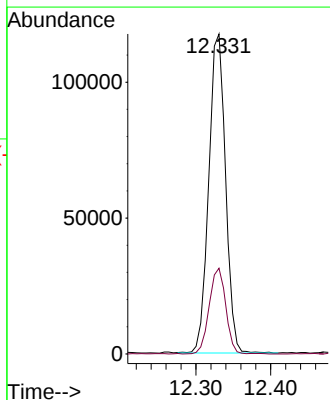
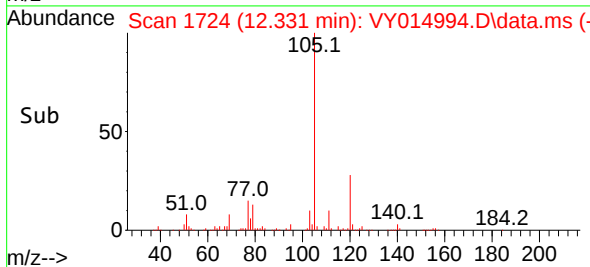
Reviewed By :Romaben Patel 08/09/2023
Supervised By :Semsettin Yesilyurt 08/09/2023

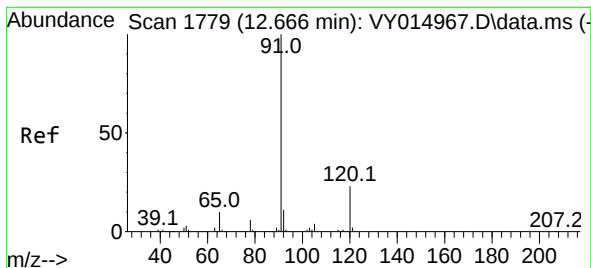


#73
Isopropylbenzene
Concen: 62.679 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.006 min
Lab File: VY014994.D
Acq: 08 Aug 2023 18:44



Tgt Ion:105 Resp: 182934
Ion Ratio Lower Upper
105 100
120 26.5 13.3 39.9





#78

n-propylbenzene

Concen: 382.166 ug/l

RT: 12.672 min Scan# 1779

Delta R.T. 0.006 min

Lab File: VY014994.D

Acq: 08 Aug 2023 18:44

Instrument :

MSVOA_Y

ClientSampleId :

PSCR206(164716)

Tgt Ion: 91 Resp: 133404

Ion Ratio Lower Upper

91 100

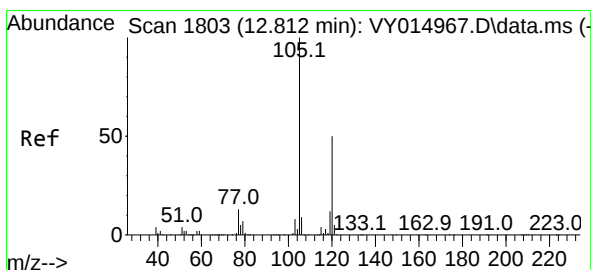
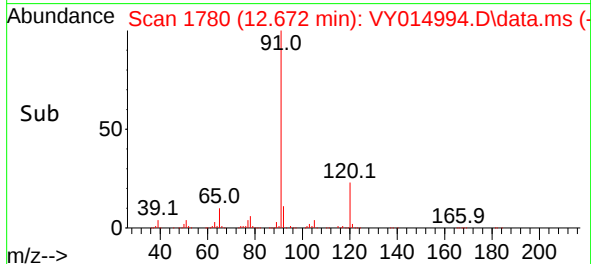
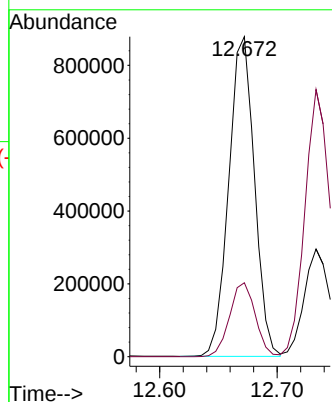
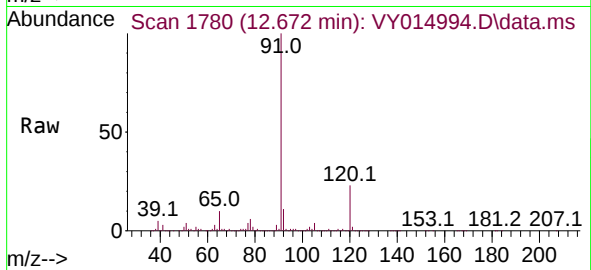
120 23.2 11.5 34.4

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 08/09/2023

Supervised By :Semsettin Yesilyurt 08/09/2023



#80

1,3,5-Trimethylbenzene

Concen: 821.414 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. -0.000 min

Lab File: VY014994.D

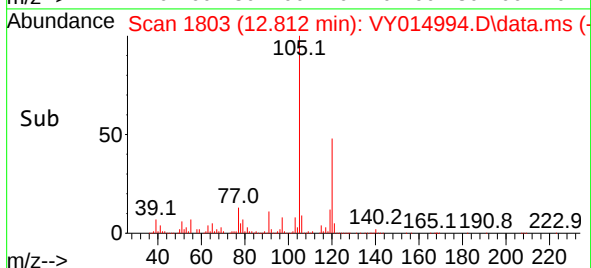
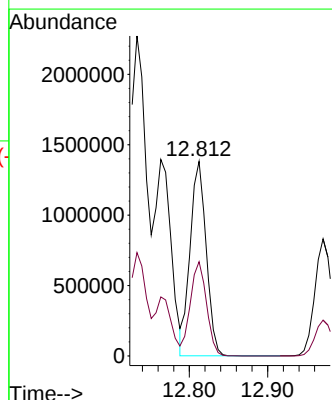
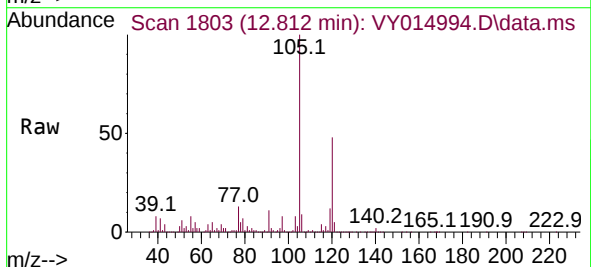
Acq: 08 Aug 2023 18:44

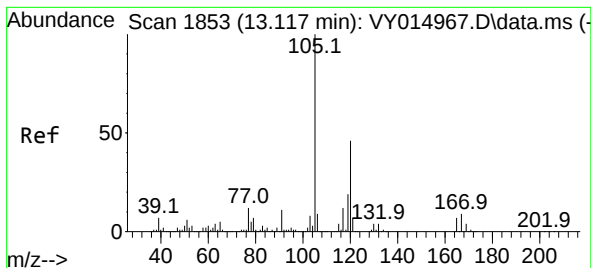
Tgt Ion:105 Resp: 1975587

Ion Ratio Lower Upper

105 100

120 48.9 23.9 71.7





#84

1,2,4-Trimethylbenzene

Concen: 3043.817 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VY014994.D

Acq: 08 Aug 2023 18:44

Instrument :

MSVOA_Y

ClientSampleId :

PSCR206(164716)

Tgt Ion:105 Resp: 733459

Ion Ratio Lower Upper

105 100

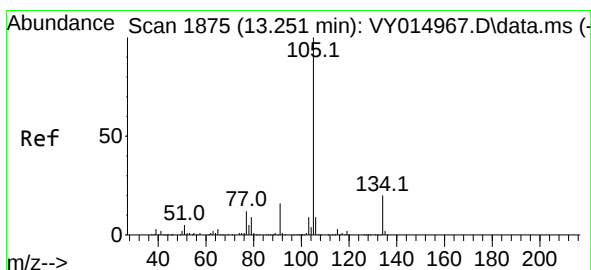
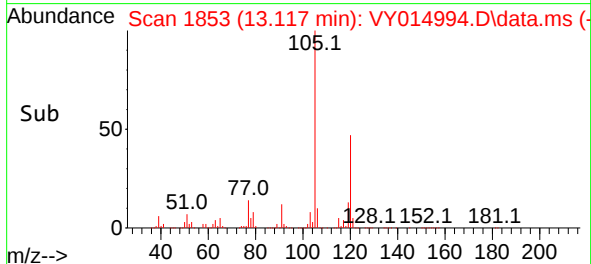
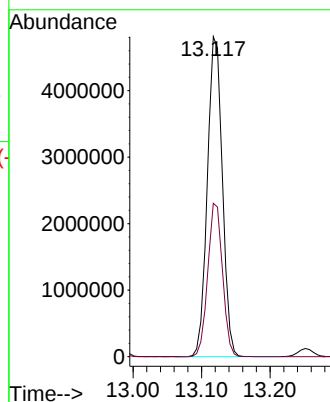
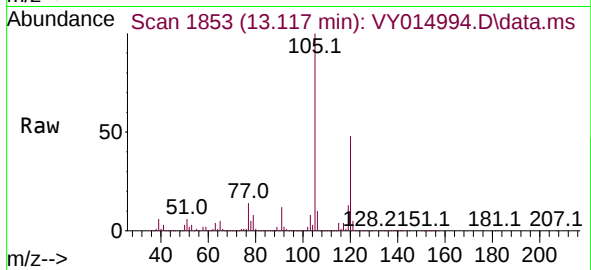
120 47.2 22.2 66.6

Manual Integrations

APPROVED

Reviewed By :Romaben Patel 08/09/2023

Supervised By :Semsettin Yesilyurt 08/09/2023



#85

sec-Butylbenzene

Concen: 58.652 ug/l m

RT: 13.251 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VY014994.D

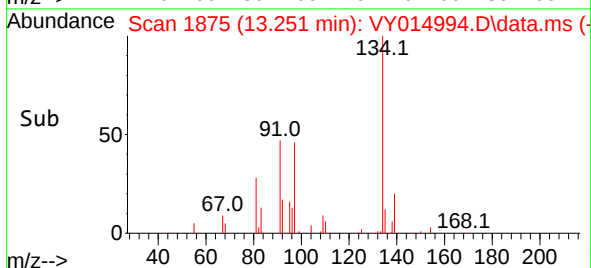
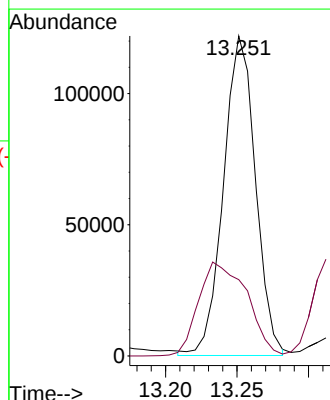
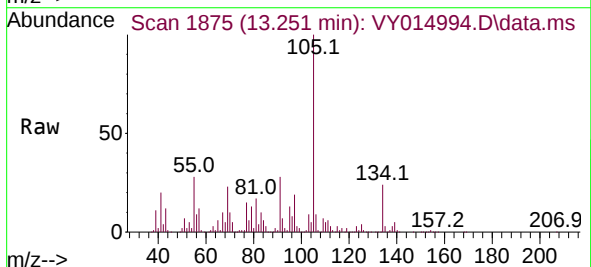
Acq: 08 Aug 2023 18:44

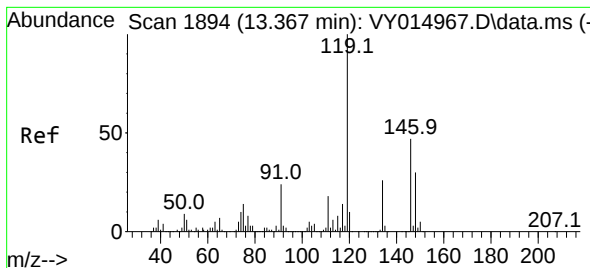
Tgt Ion:105 Resp: 189395

Ion Ratio Lower Upper

105 100

134 0.0 10.2 30.6#





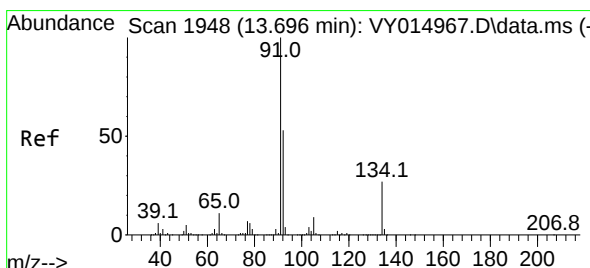
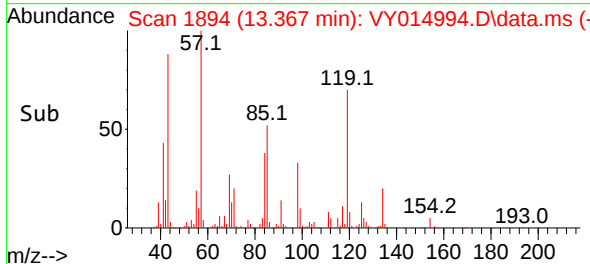
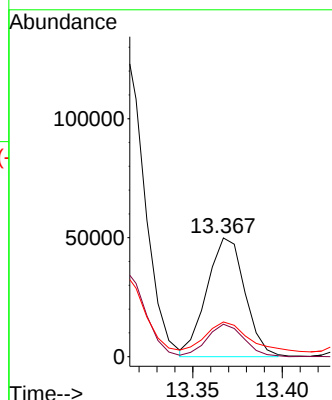
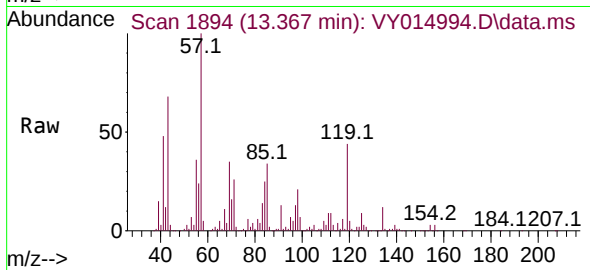
#86
p-Isopropyltoluene
Concen: 27.619 ug/l m
RT: 13.367 min Scan# 1894
Delta R.T. -0.000 min
Lab File: VY014994.D
Acq: 08 Aug 2023 18:44

Instrument :
MSVOA_Y
ClientSampleId :
PSCR206(164716)

Tgt Ion:119 Resp: 7382
Ion Ratio Lower Upper
119 100
134 71.5 13.3 39.8
91 63.1 12.4 37.4

Manual Integrations
APPROVED

Reviewed By :Romaben Patel 08/09/2023
Supervised By :Semsettin Yesilyurt 08/09/2023



#89
n-Butylbenzene
Concen: 148.516 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY014994.D
Acq: 08 Aug 2023 18:44

Tgt Ion: 91 Resp: 372985
Ion Ratio Lower Upper
91 100
92 63.0 25.4 76.0
134 0.0 12.6 37.6

