

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
 Data File : VY015197.D
 Acq On : 18 Aug 2023 15:48
 Operator : SY/MD
 Sample : 04086-08
 Misc : 5.07g/5.2mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-PP13A

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/21/2023
 Supervised By :Mahesh Dadoda 08/21/2023

Quant Time: Aug 18 23:11:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	193653	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	337962	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	334916	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	174655	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	121705	52.355	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.700%	
35) Dibromofluoromethane	7.710	113	105114	48.345	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.700%	
50) Toluene-d8	10.179	98	404598	49.989	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.980%	
62) 4-Bromofluorobenzene	12.477	95	165424	55.958	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.920%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.704	84	46194	23.040	ug/l	91
39) Methylcyclohexane	9.179	83	11900	4.413	ug/l	97
40) Benzene	8.155	78	9853	1.355	ug/l #	89
52) Toluene	10.240	92	1055847	220.276	ug/l	94
67) Ethyl Benzene	11.593	91	593142	55.477	ug/l	98
68) m/p-Xylenes	11.697	106	895123	220.435	ug/l	97
69) o-Xylene	12.026	106	374973	92.695	ug/l	99
73) Isopropylbenzene	12.331	105	96818	8.621	ug/l	100
78) n-propylbenzene	12.666	91	585708	43.917	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	706761	75.494	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	3185170	340.486	ug/l	97
85) sec-Butylbenzene	13.251	105	60823m	4.848	ug/l	
86) p-Isopropyltoluene	13.367	119	39464m	3.794	ug/l	
89) n-Butylbenzene	13.696	91	165871	16.912	ug/l #	71

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

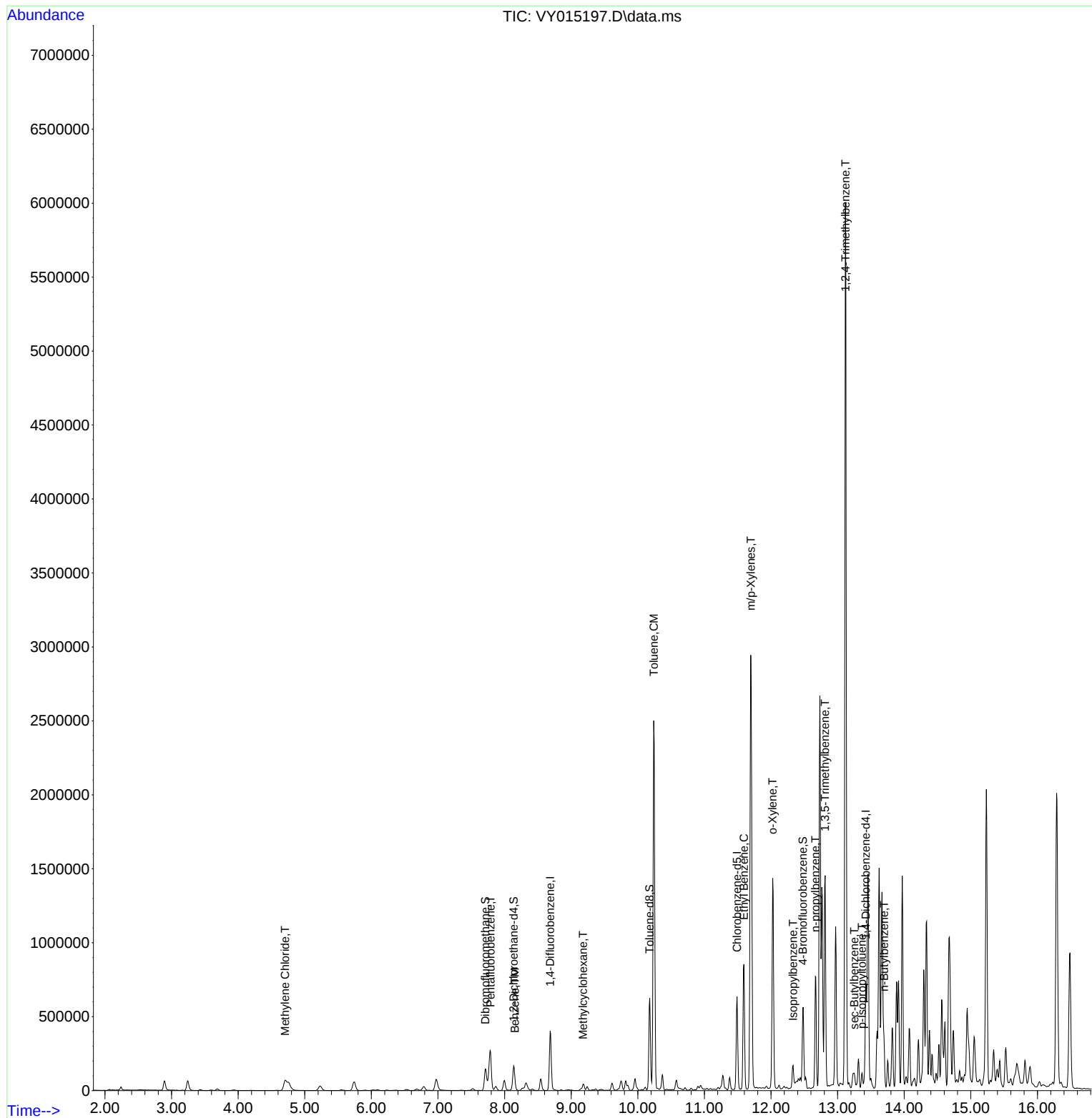
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015197.D
Acq On : 18 Aug 2023 15:48
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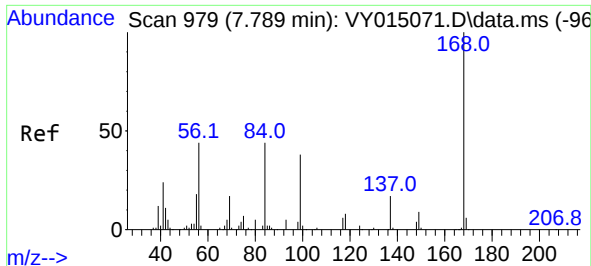
Instrument :
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ClientSampleId :
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Quant Time: Aug 18 23:11:26 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
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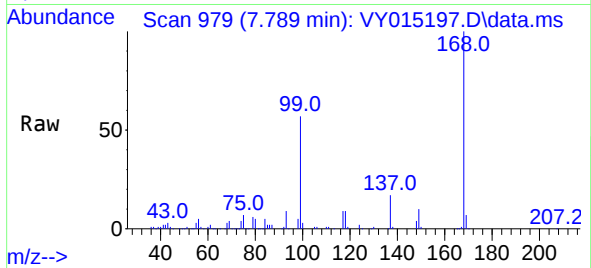
Reviewed By :Semsettin Yesilyurt 08/21/2023
Supervised By :Mahesh Dadoda 08/21/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015197.D
Acq: 18 Aug 2023 15:48

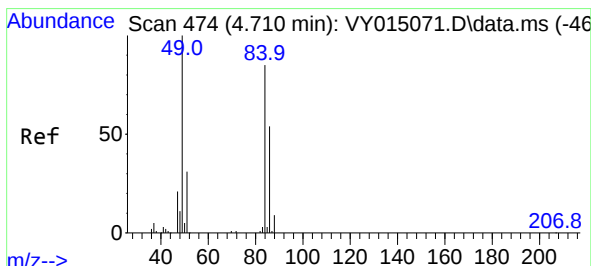
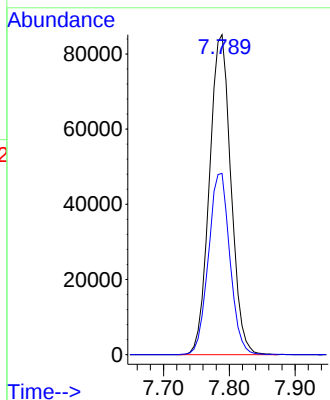
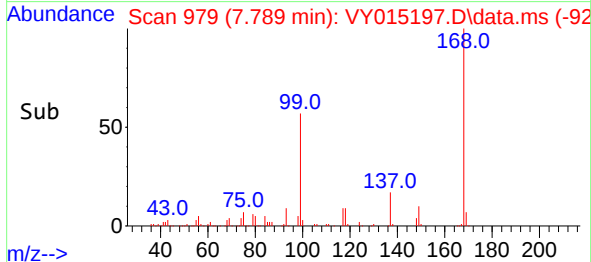
Instrument :
MSVOA_Y
ClientSampleId :
B-PP13A



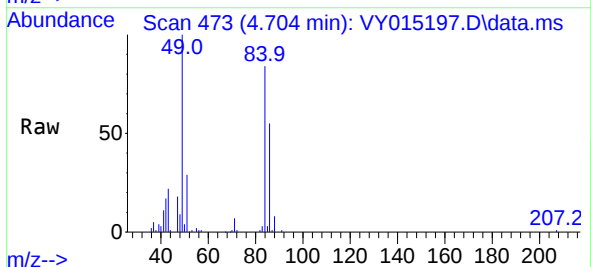
Tgt Ion:168 Resp: 19365
Ion Ratio Lower Upper
168 100
99 56.6 43.4 65.0

Manual Integrations
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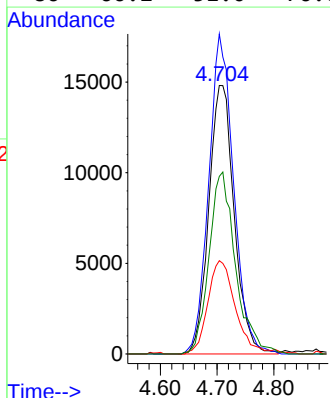
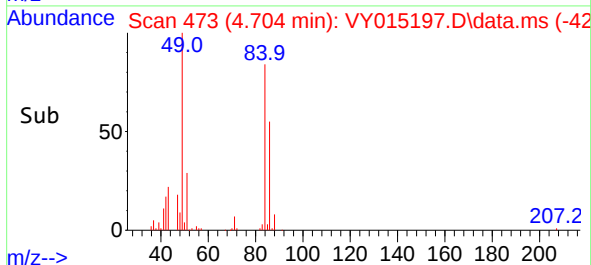
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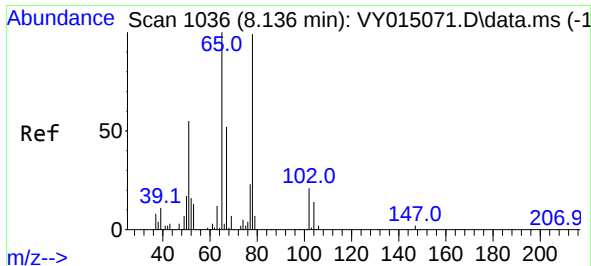


#20
Methylene Chloride
Concen: 23.040 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY015197.D
Acq: 18 Aug 2023 15:48



Tgt Ion: 84 Resp: 46194
Ion Ratio Lower Upper
84 100
49 119.2 106.9 160.3
51 34.8 33.2 49.8
86 66.2 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 52.355 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015197.D

Acq: 18 Aug 2023 15:48

Instrument :

MSVOA_Y

ClientSampleId :

B-PP13A

Tgt Ion: 65 Resp: 12170

Ion Ratio Lower Upper

65 100

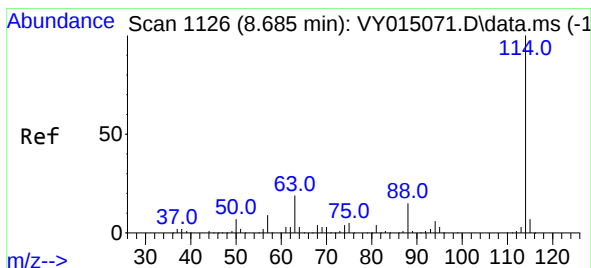
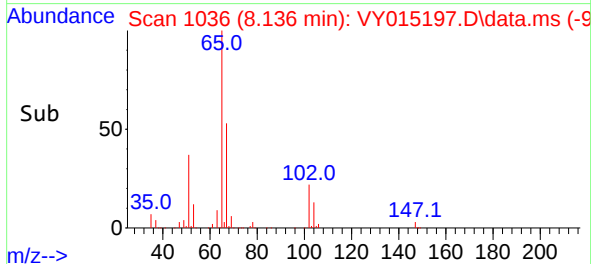
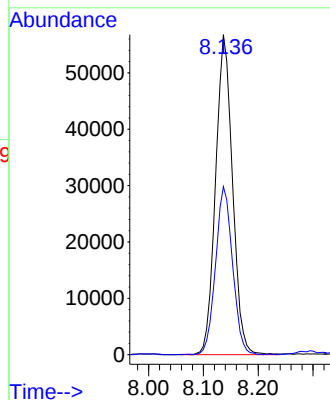
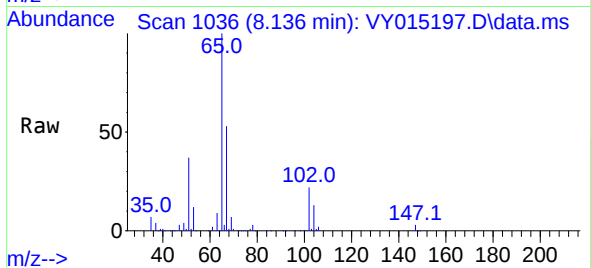
67 52.7 0.0 101.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015197.D

Acq: 18 Aug 2023 15:48

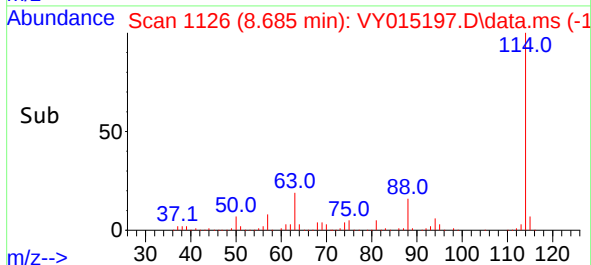
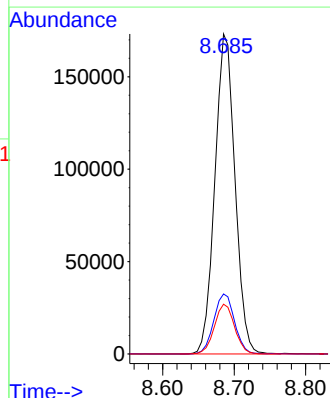
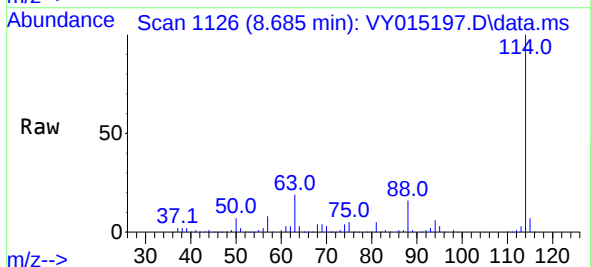
Tgt Ion:114 Resp: 337962

Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.4

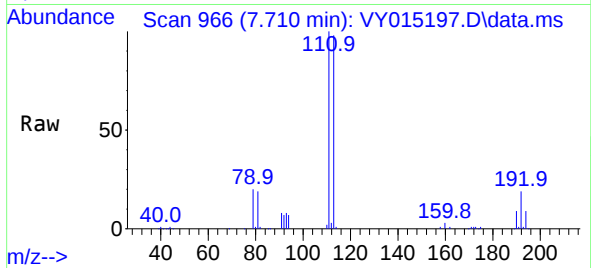
88 15.6 0.0 30.6





#35
Dibromofluoromethane
Concen: 48.345 ug/l
RT: 7.710 min Scan# 90
Delta R.T. -0.006 min
Lab File: VY015197.D
Acq: 18 Aug 2023 15:48

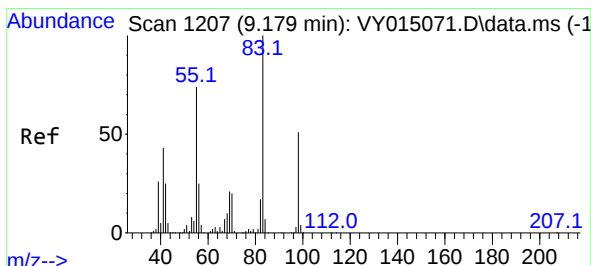
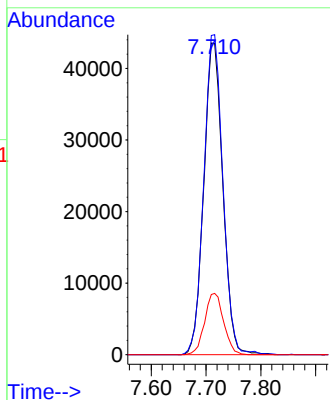
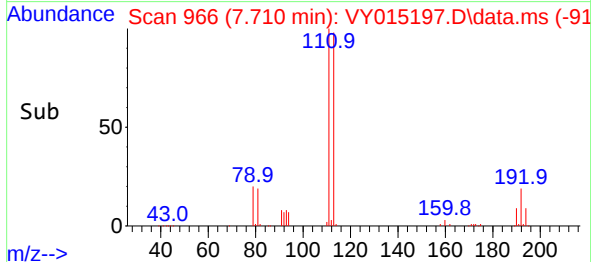
Instrument :
MSVOA_Y
ClientSampleId :
B-PP13A



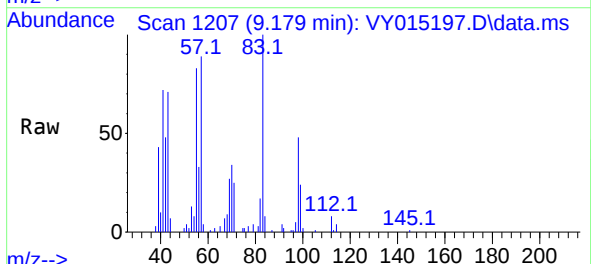
Tgt Ion: 113 Resp: 105114
Ion Ratio Lower Upper
113 100
111 102.7 81.3 121.9
192 19.5 16.9 25.3

Manual Integrations
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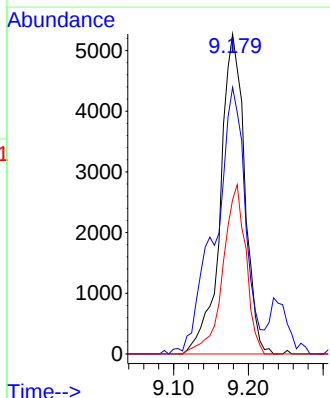
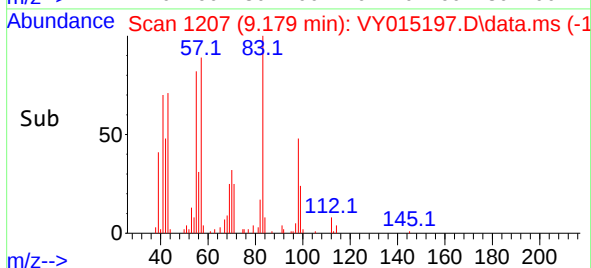
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Supervised By :Mahesh Dadoda 08/21/2023

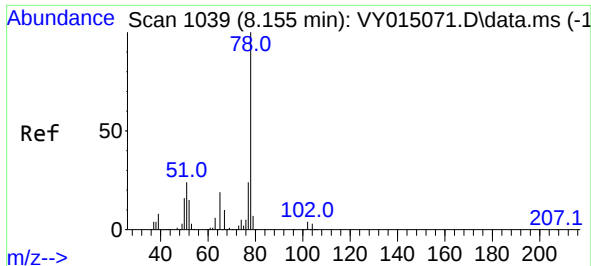


#39
Methylcyclohexane
Concen: 4.413 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. 0.000 min
Lab File: VY015197.D
Acq: 18 Aug 2023 15:48



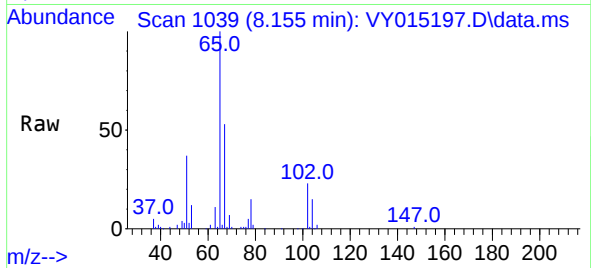
Tgt Ion: 83 Resp: 11900
Ion Ratio Lower Upper
83 100
55 81.6 63.0 94.4
98 48.2 37.4 56.2





#40
Benzene
Concen: 1.355 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VY015197.D
Acq: 18 Aug 2023 15:48

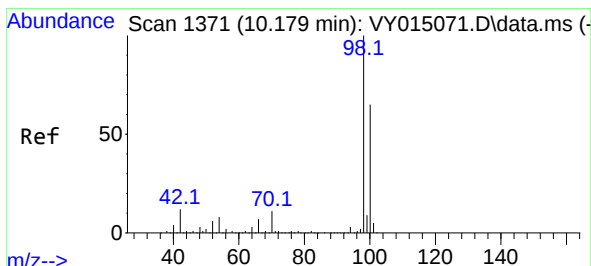
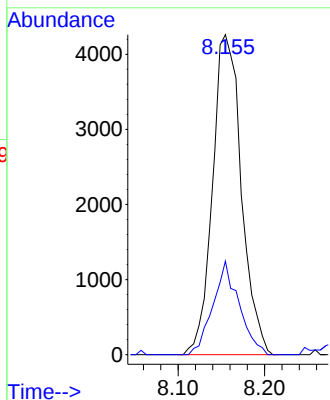
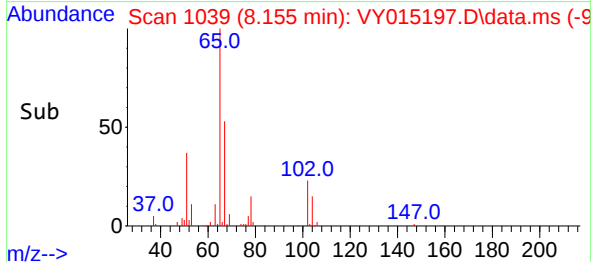
Instrument :
MSVOA_Y
ClientSampleId :
B-PP13A



Tgt Ion: 78 Resp: 985
Ion Ratio Lower Upper
78 100
77 29.3 19.0 28.6

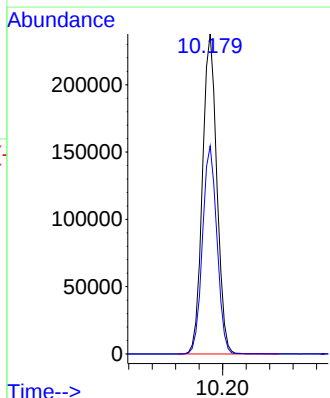
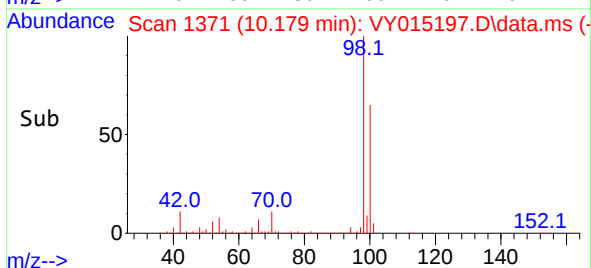
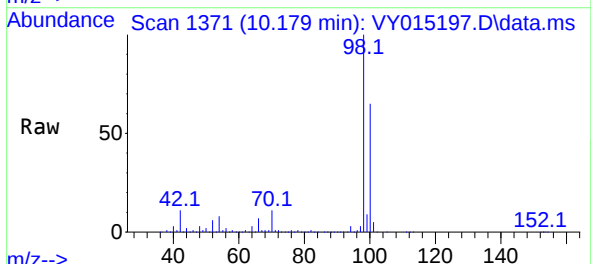
Manual Integrations
APPROVED

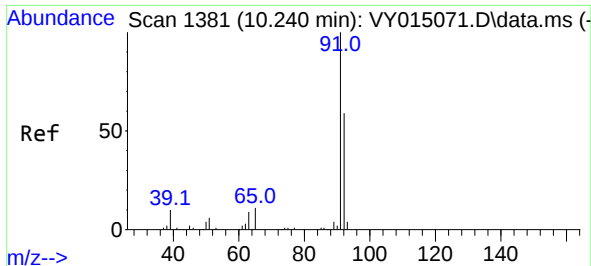
Reviewed By :Semsettin Yesilyurt 08/21/2023
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#50
Toluene-d8
Concen: 49.989 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015197.D
Acq: 18 Aug 2023 15:48

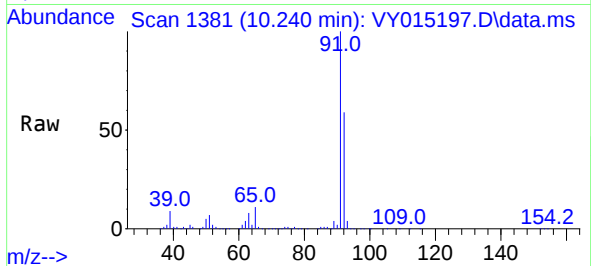
Tgt Ion: 98 Resp: 404598
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1





#52
Toluene
Concen: 220.276 ug/l
RT: 10.240 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015197.D
Acq: 18 Aug 2023 15:48

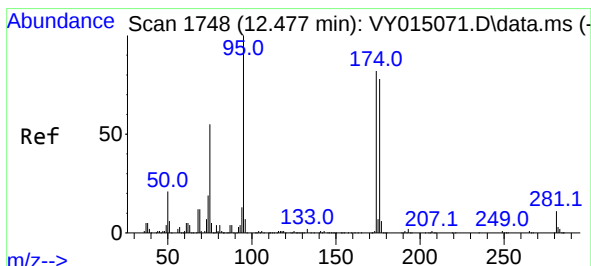
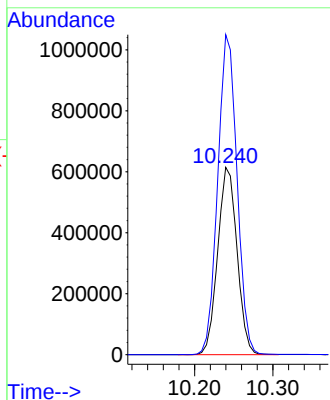
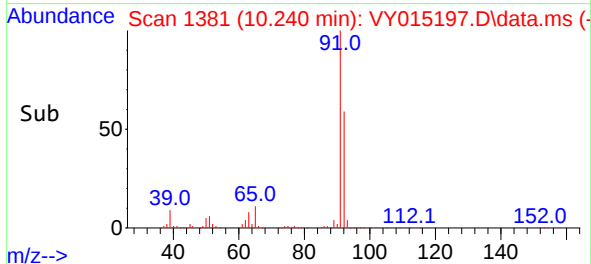
Instrument :
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ClientSampleId :
B-PP13A



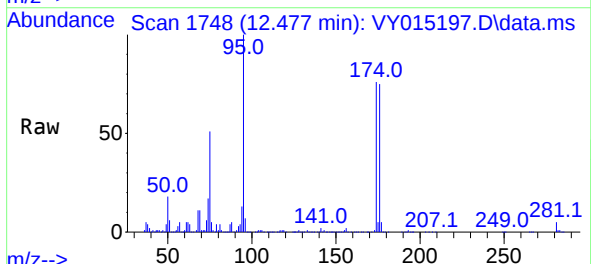
Tgt Ion: 92 Resp: 105584
Ion Ratio Lower Upper
92 100
91 170.8 143.8 215.6

Manual Integrations
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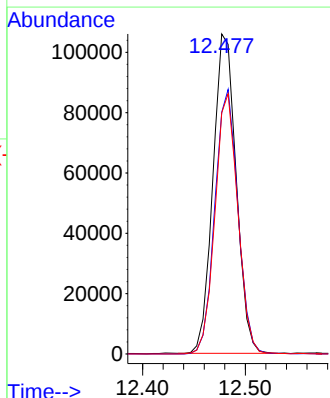
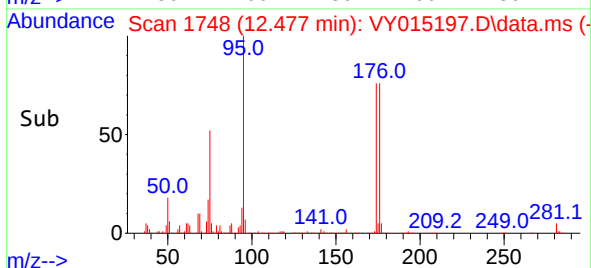
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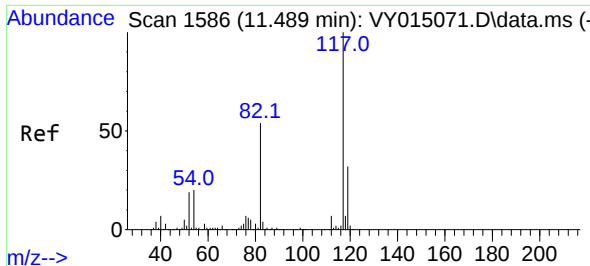


#62
4-Bromofluorobenzene
Concen: 55.958 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015197.D
Acq: 18 Aug 2023 15:48



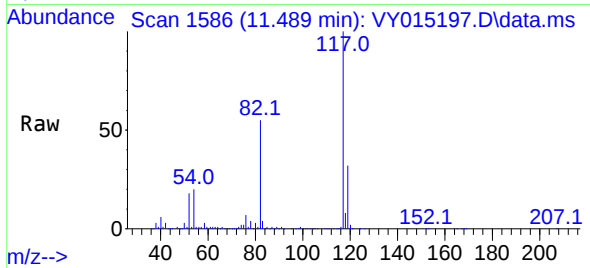
Tgt Ion: 95 Resp: 165424
Ion Ratio Lower Upper
95 100
174 82.2 0.0 178.2
176 80.1 0.0 173.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015197.D
Acq: 18 Aug 2023 15:48

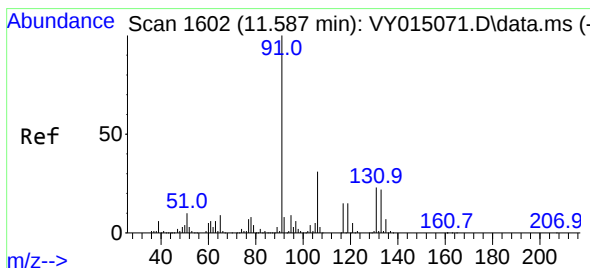
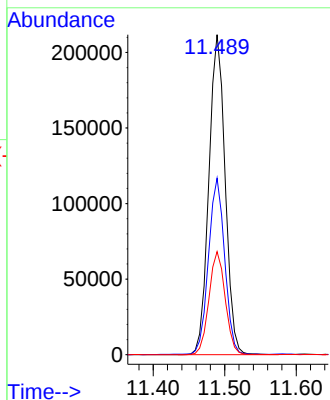
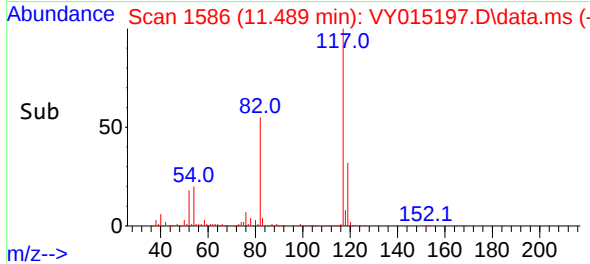
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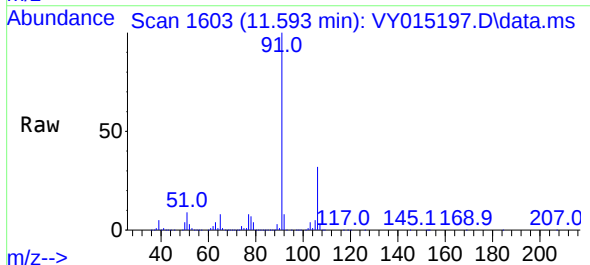
Tgt Ion:117 Resp: 334910
Ion Ratio Lower Upper
117 100
82 55.0 43.4 65.0
119 32.2 26.3 39.5

Manual Integrations
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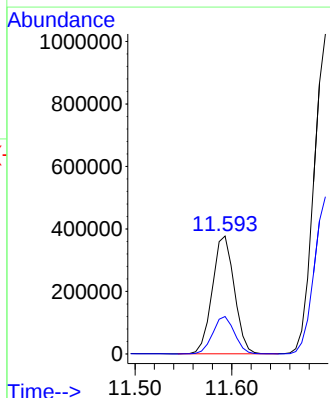
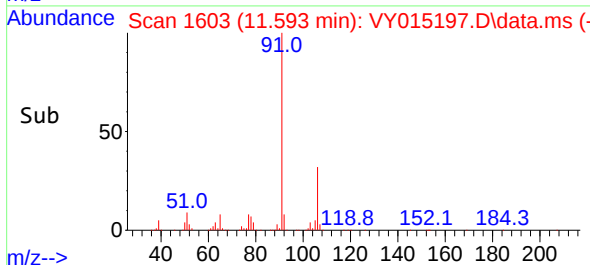
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Supervised By :Mahesh Dadoda 08/21/2023

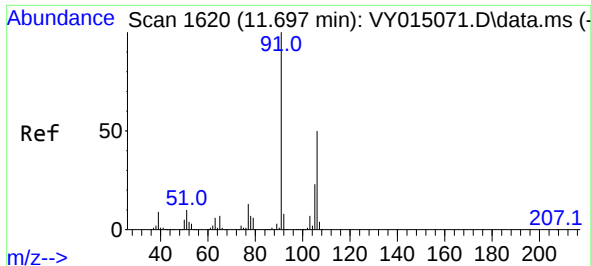


#67
Ethyl Benzene
Concen: 55.477 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VY015197.D
Acq: 18 Aug 2023 15:48



Tgt Ion: 91 Resp: 593142
Ion Ratio Lower Upper
91 100
106 31.8 24.6 36.8





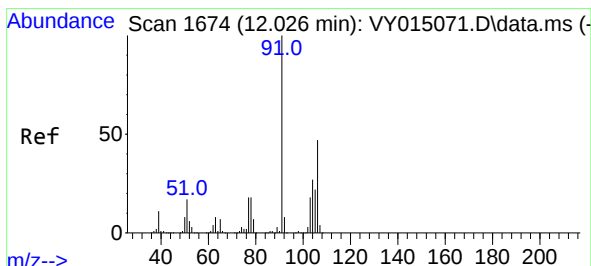
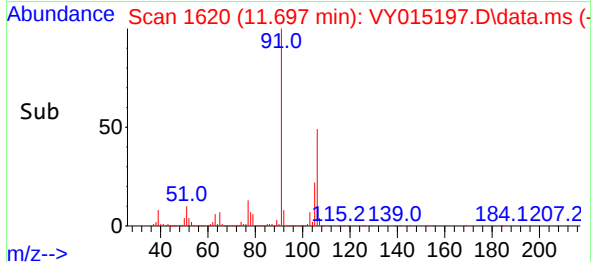
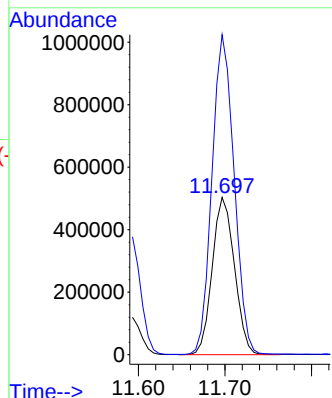
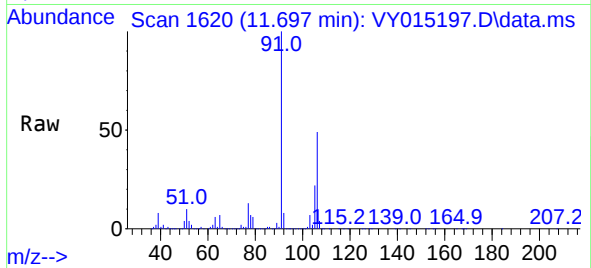
#68
m/p-Xylenes
Concen: 220.435 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VY015197.D
Acq: 18 Aug 2023 15:48

Instrument :
MSVOA_Y
ClientSampleId :
B-PP13A

Tgt Ion:106 Resp: 89512
Ion Ratio Lower Upper
106 100
91 202.9 166.1 249.1

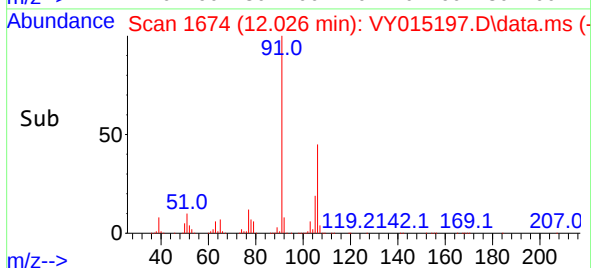
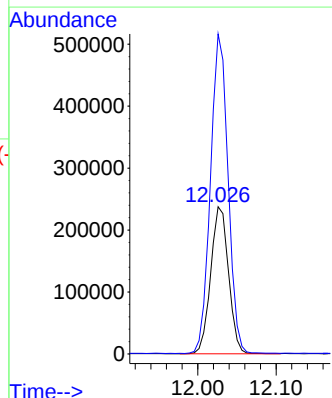
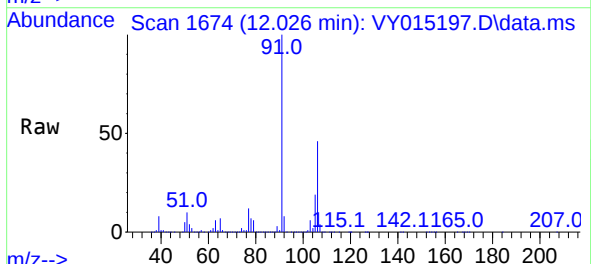
Manual Integrations
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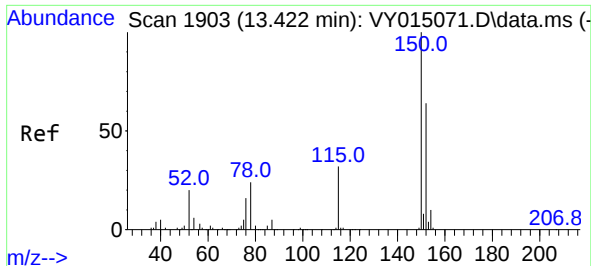
Reviewed By :Semsettin Yesilyurt 08/21/2023
Supervised By :Mahesh Dadoda 08/21/2023



#69
o-Xylene
Concen: 92.695 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY015197.D
Acq: 18 Aug 2023 15:48

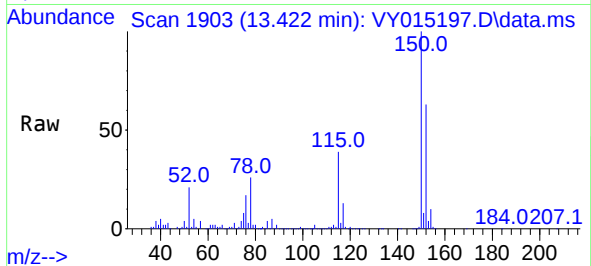
Tgt Ion:106 Resp: 374973
Ion Ratio Lower Upper
106 100
91 214.1 108.1 324.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015197.D
Acq: 18 Aug 2023 15:48

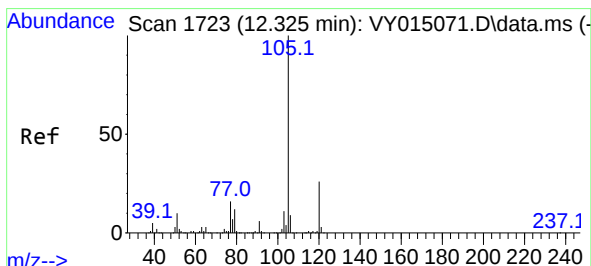
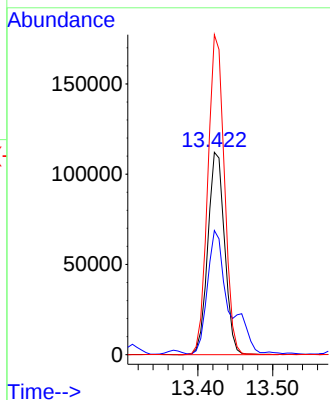
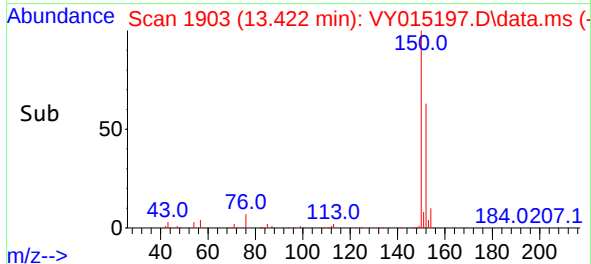
Instrument :
MSVOA_Y
ClientSampleId :
B-PP13A



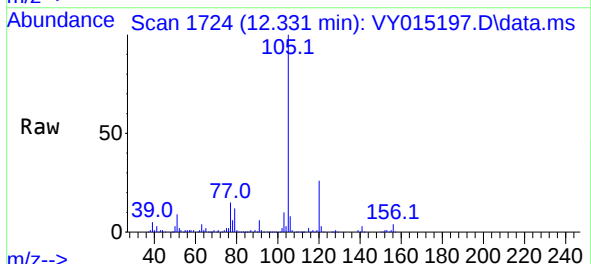
Tgt Ion:152 Resp: 17465
Ion Ratio Lower Upper
152 100
115 78.1 28.8 86.5
150 156.4 0.0 348.8

Manual Integrations
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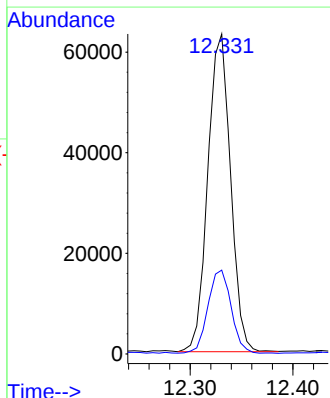
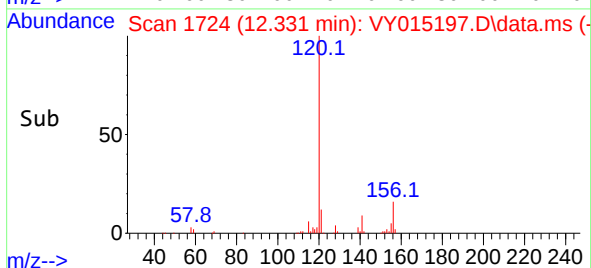
Reviewed By :Semsettin Yesilyurt 08/21/2023
Supervised By :Mahesh Dadoda 08/21/2023

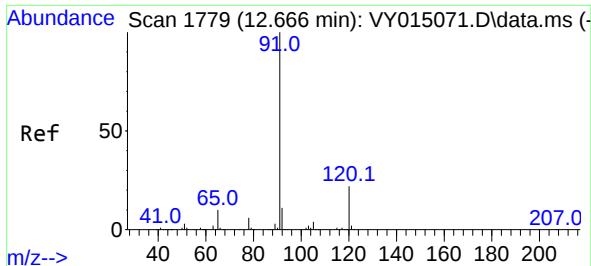


#73
Isopropylbenzene
Concen: 8.621 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.006 min
Lab File: VY015197.D
Acq: 18 Aug 2023 15:48



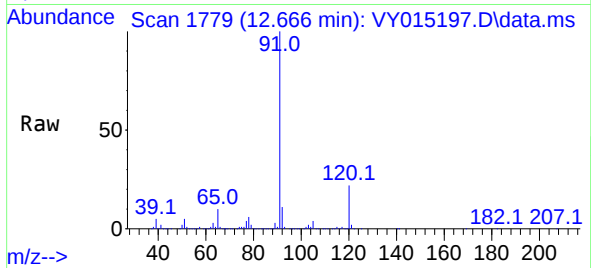
Tgt Ion:105 Resp: 96818
Ion Ratio Lower Upper
105 100
120 26.8 13.3 39.9





#78
n-propylbenzene
Concen: 43.917 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. 0.000 min
Lab File: VY015197.D
Acq: 18 Aug 2023 15:48

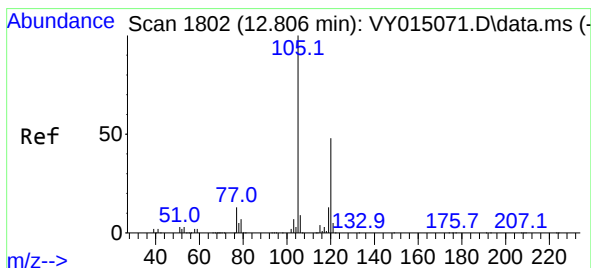
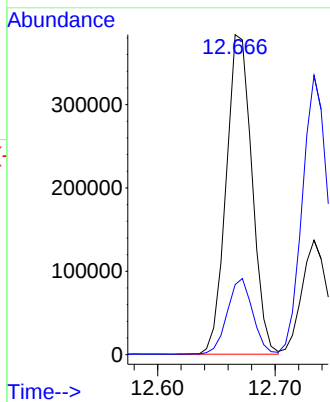
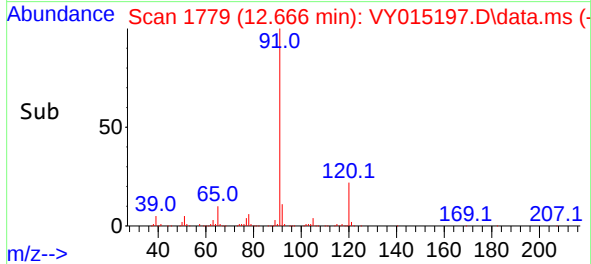
Instrument :
MSVOA_Y
ClientSampleId :
B-PP13A



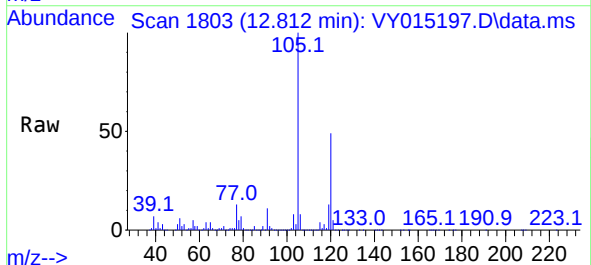
Tgt Ion: 91 Resp: 585708
Ion Ratio Lower Upper
91 100
120 23.8 11.5 34.4

Manual Integrations
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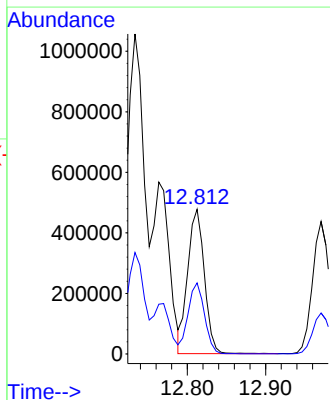
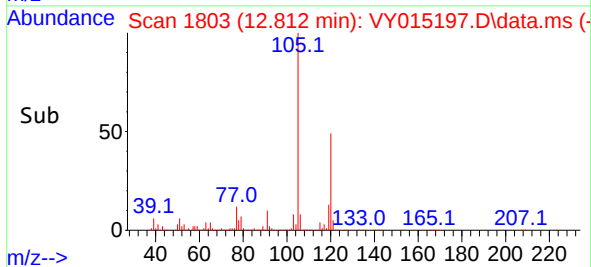
Reviewed By :Semsettin Yesilyurt 08/21/2023
Supervised By :Mahesh Dadoda 08/21/2023

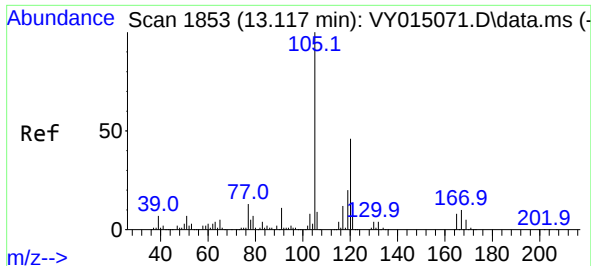


#80
1,3,5-Trimethylbenzene
Concen: 75.494 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY015197.D
Acq: 18 Aug 2023 15:48



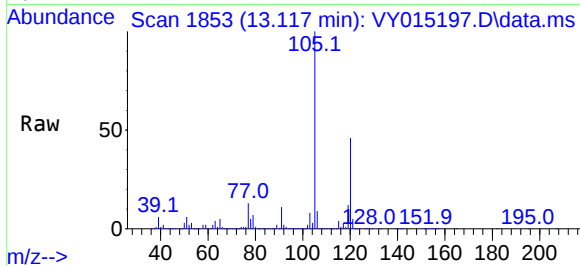
Tgt Ion:105 Resp: 706761
Ion Ratio Lower Upper
105 100
120 48.4 23.9 71.7





#84
1,2,4-Trimethylbenzene
Concen: 340.486 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY015197.D
Acq: 18 Aug 2023 15:48

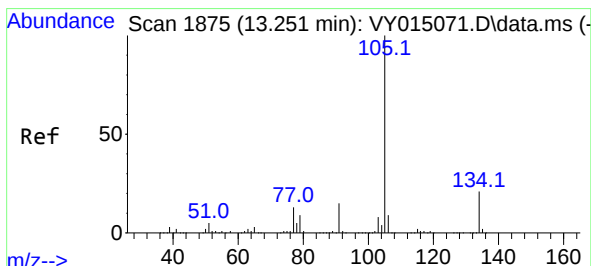
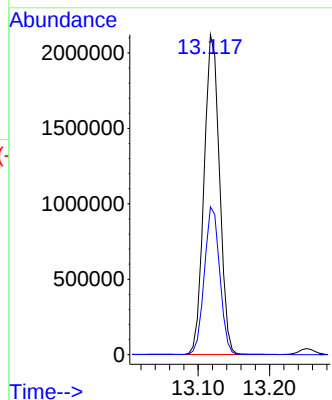
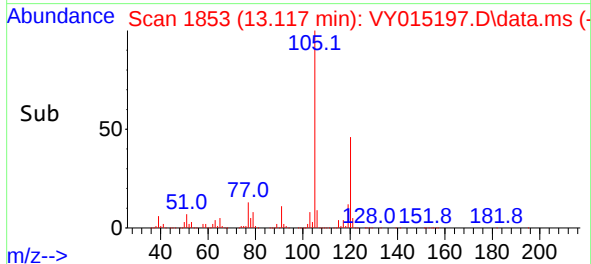
Instrument :
MSVOA_Y
ClientSampleId :
B-PP13A



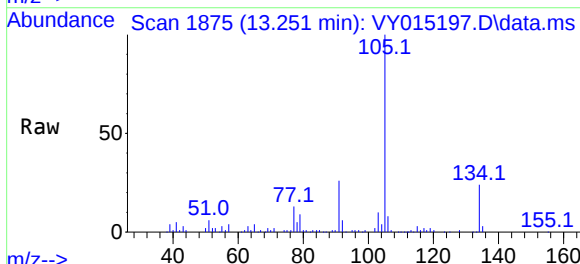
Tgt Ion:105 Resp: 3185170
Ion Ratio Lower Upper
105 100
120 46.1 22.2 66.6

Manual Integrations
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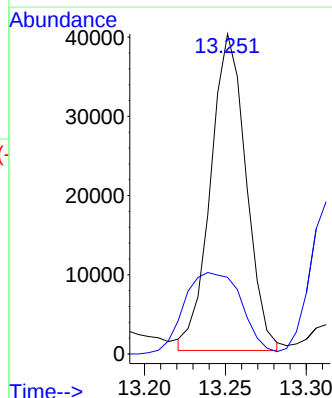
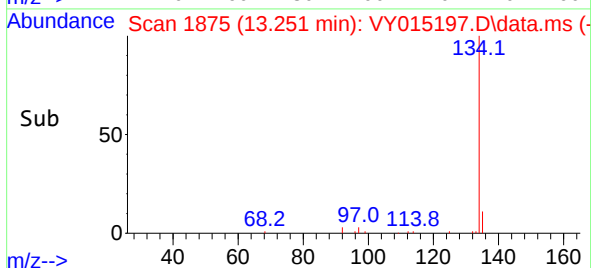
Reviewed By :Semsettin Yesilyurt 08/21/2023
Supervised By :Mahesh Dadoda 08/21/2023

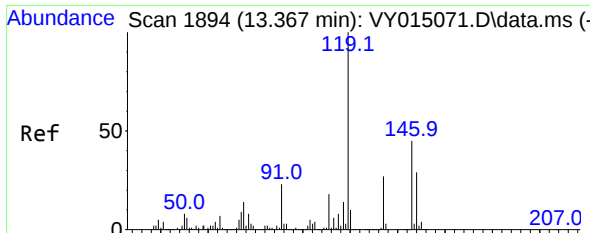


#85
sec-Butylbenzene
Concen: 4.848 ug/l m
RT: 13.251 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VY015197.D
Acq: 18 Aug 2023 15:48



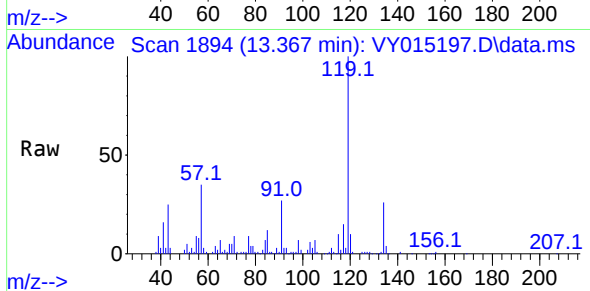
Tgt Ion:105 Resp: 60823
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.6#





#86
p-Isopropyltoluene
Concen: 3.794 ug/l m
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY015197.D
Acq: 18 Aug 2023 15:48

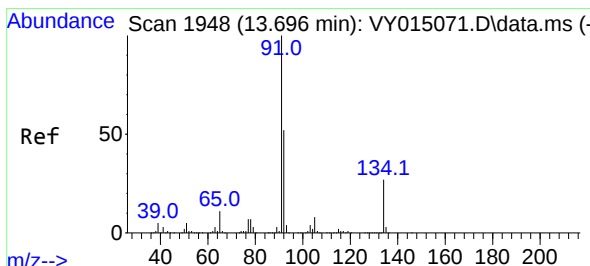
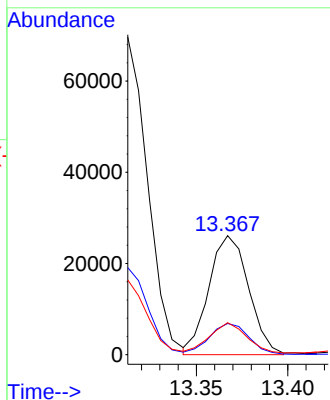
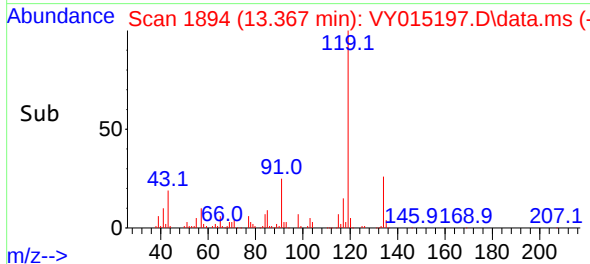
Instrument :
MSVOA_Y
ClientSampleId :
B-PP13A



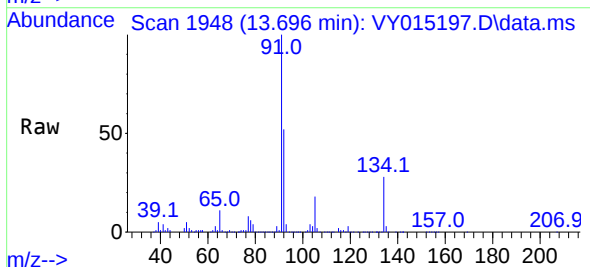
Tgt Ion:119 Resp: 39464
Ion Ratio Lower Upper
119 100
134 71.0 13.3 39.8
91 57.0 12.4 37.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/21/2023
Supervised By :Mahesh Dadoda 08/21/2023



#89
n-Butylbenzene
Concen: 16.912 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY015197.D
Acq: 18 Aug 2023 15:48



Tgt Ion: 91 Resp: 165871
Ion Ratio Lower Upper
91 100
92 63.2 25.4 76.0
134 0.0 12.6 37.6

