

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072023\
 Data File : VY014719.D
 Acq On : 20 Jul 2023 14:31
 Operator : SY/MD
 Sample : 03632-06
 Misc : 8.25g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-09-(3-5)

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/21/2023
 Supervised By : Mahesh Dadoda 07/21/2023

Quant Time: Jul 21 06:51:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	140791	50.000	ug/l	# 0.01
34) 1,4-Difluorobenzene	8.703	114	271633	50.000	ug/l	# 0.02
63) Chlorobenzene-d5	11.496	117	156385	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	152487	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	312369m	194.699	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 389.400%#			
35) Dibromofluoromethane	7.722	113	82013	47.430	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.860%			
50) Toluene-d8	10.227	98	1534325	240.678	ug/l	0.05
Spiked Amount 50.000	Range 58 - 134		Recovery = 481.360%#			
62) 4-Bromofluorobenzene	12.526	95	597559	244.458	ug/l	0.05
Spiked Amount 50.000	Range 30 - 143		Recovery = 488.920%#			
Target Compounds						
						Qvalue
17) Carbon Disulfide	4.192	76	9160	2.308	ug/l	# 94
67) Ethyl Benzene	11.617	91	9469672	1573.846	ug/l	# 88
68) m/p-Xylenes	11.721	106	1656109	721.051	ug/l	93
73) Isopropylbenzene	12.343	105	13496385	1130.369	ug/l	94
78) n-propylbenzene	12.672	91	24554823m	1706.666	ug/l	
80) 1,3,5-Trimethylbenzene	12.776	105	12189708	1222.460	ug/l	78
83) tert-Butylbenzene	13.081	119	106880	12.083	ug/l	# 18
84) 1,2,4-Trimethylbenzene	13.123	105	254483m	26.005	ug/l	
85) sec-Butylbenzene	13.257	105	3859196	297.421	ug/l	# 47
86) p-Isopropyltoluene	13.373	119	678812m	64.074	ug/l	
89) n-Butylbenzene	13.696	91	6946109	673.918	ug/l	# 87

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

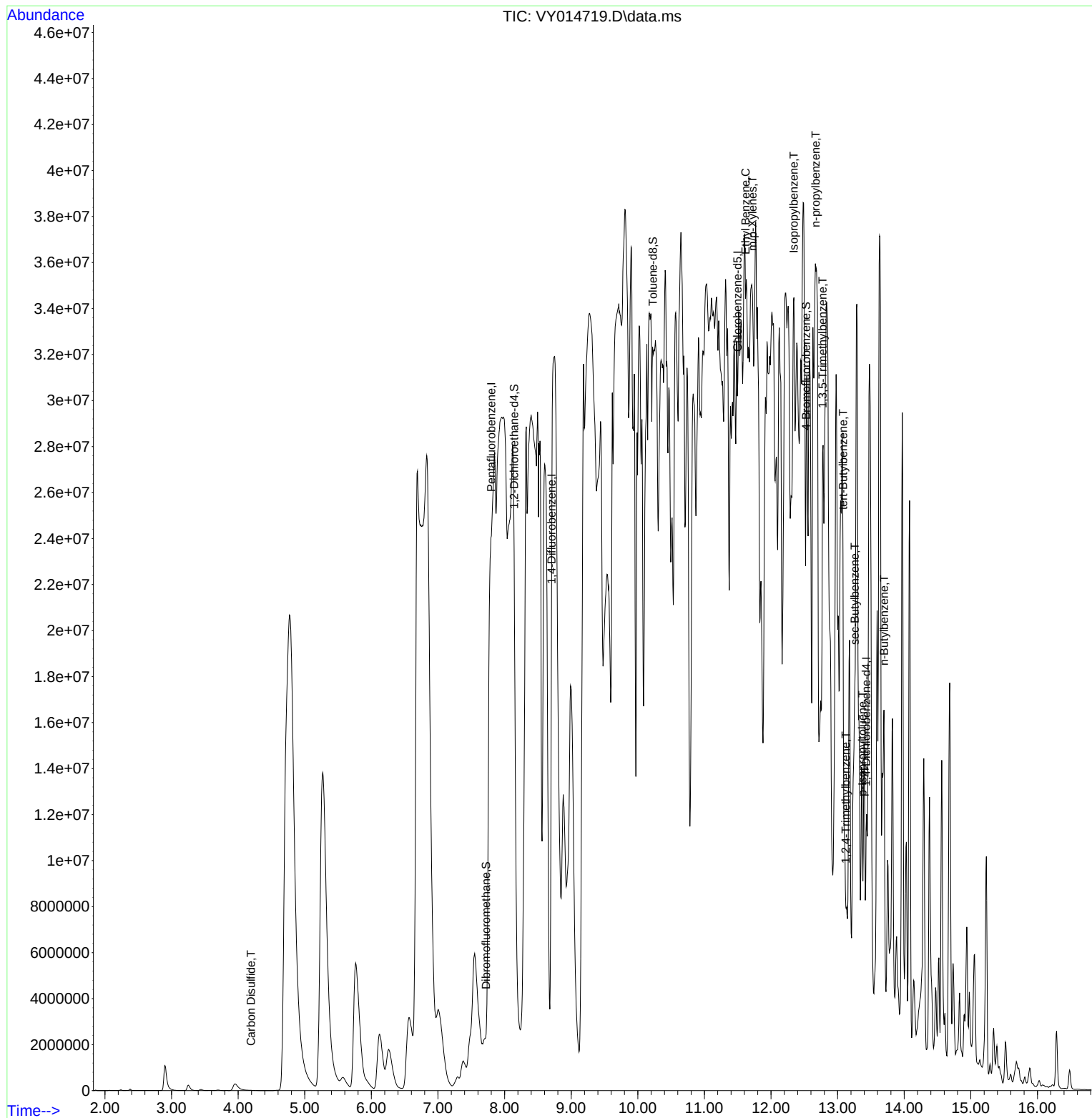
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072023\
Data File : VY014719.D
Acq On : 20 Jul 2023 14:31
Operator : SY/MD
Sample : 03632-06
Misc : 8.25g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

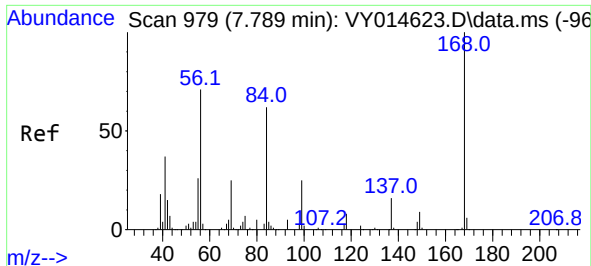
Instrument :
MSVOA_Y
ClientSampleId :
SB-09-(3-5)

Quant Time: Jul 21 06:51:14 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 14 02:09:50 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

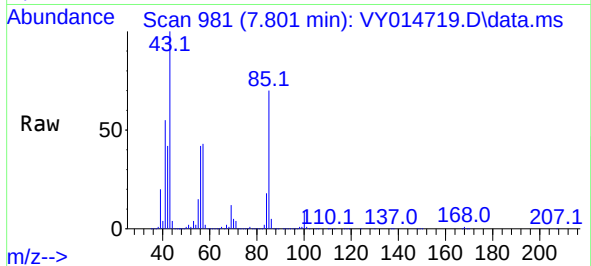
Reviewed By : John Carlone 07/21/2023
Supervised By : Mahesh Dadoda 07/21/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

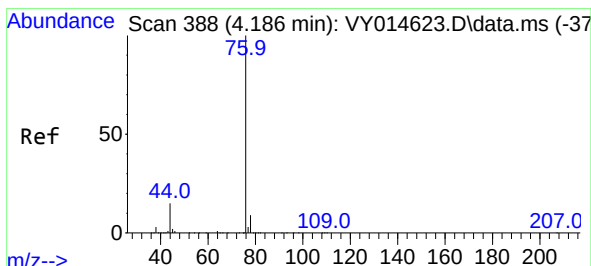
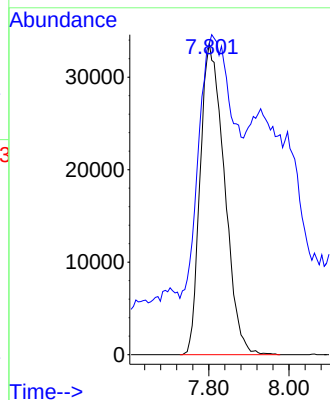
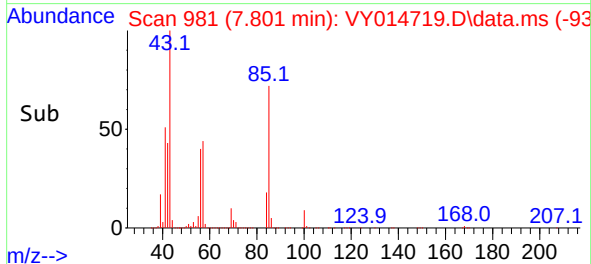
Instrument :
MSVOA_Y
ClientSampleId :
SB-09-(3-5)



Tgt Ion:168 Resp: 14079
Ion Ratio Lower Upper
168 100
99 81.7 43.4 65.0

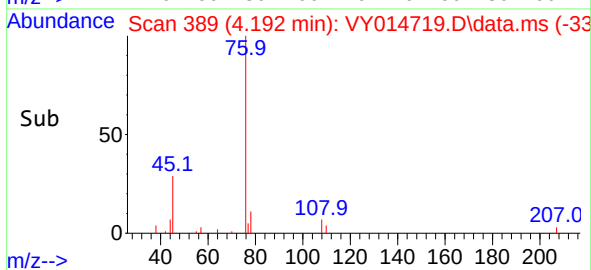
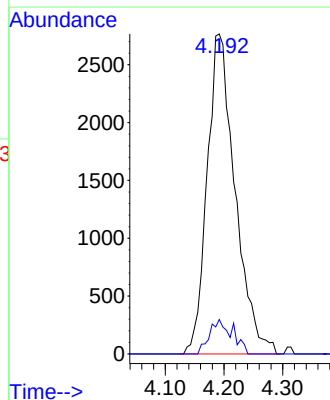
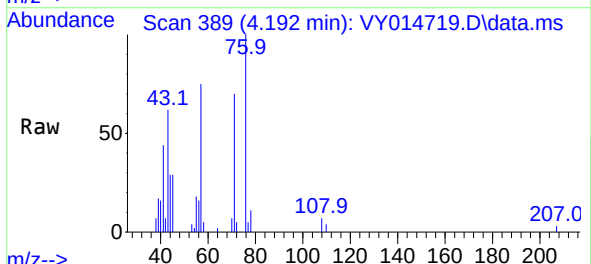
Manual Integrations
APPROVED

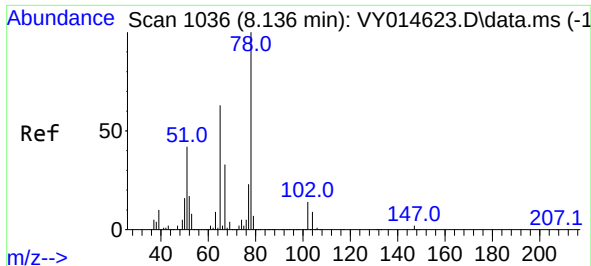
Reviewed By :John Carlone 07/21/2023
Supervised By :Mahesh Dadoda 07/21/2023



#17
Carbon Disulfide
Concen: 2.308 ug/l
RT: 4.192 min Scan# 389
Delta R.T. 0.006 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

Tgt Ion: 76 Resp: 9160
Ion Ratio Lower Upper
76 100
78 10.7 7.0 10.4





#33

1,2-Dichloroethane-d4

Concen: 194.699 ug/l m

RT: 8.142 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY014719.D

Acq: 20 Jul 2023 14:31

Instrument :

MSVOA_Y

ClientSampleId :

SB-09-(3-5)

Tgt Ion: 65 Resp: 312369

Ion Ratio Lower Upper

65 100

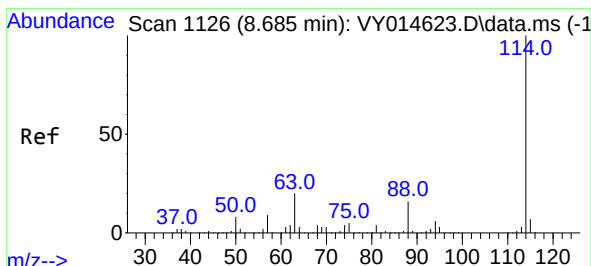
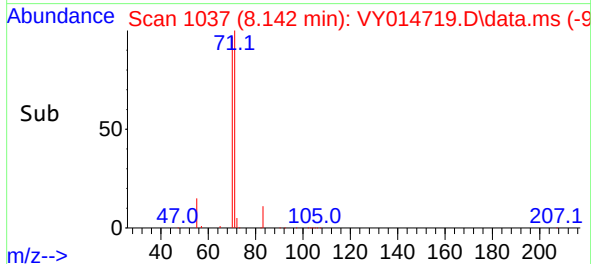
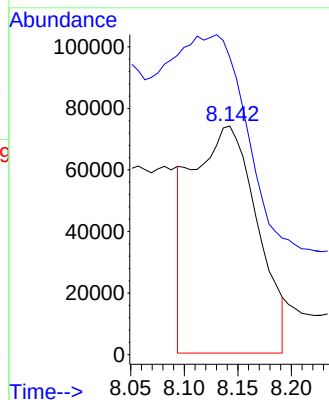
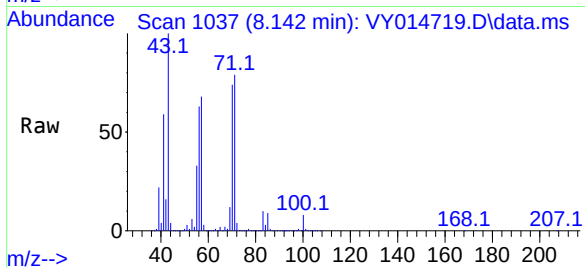
67 557.4 0.0 101.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/21/2023

Supervised By :Mahesh Dadoda 07/21/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.018 min

Lab File: VY014719.D

Acq: 20 Jul 2023 14:31

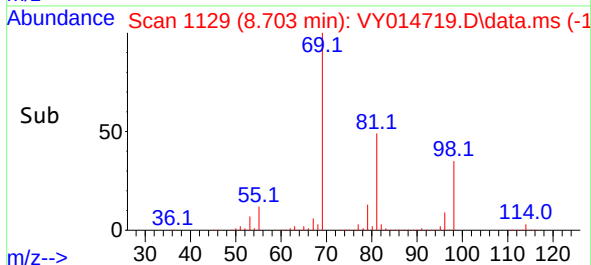
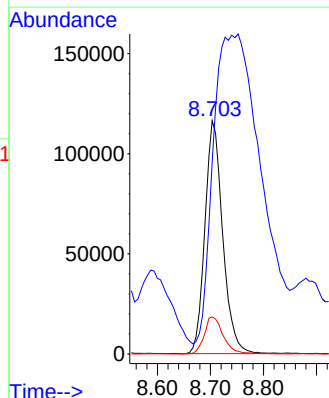
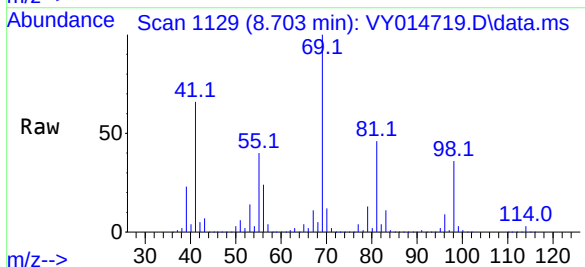
Tgt Ion:114 Resp: 271633

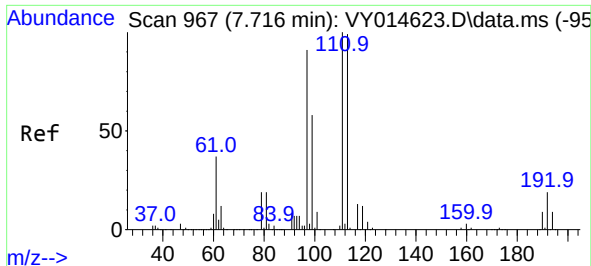
Ion Ratio Lower Upper

114 100

63 70.1 0.0 42.4

88 15.8 0.0 30.6





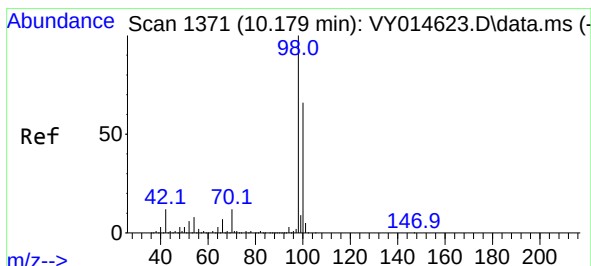
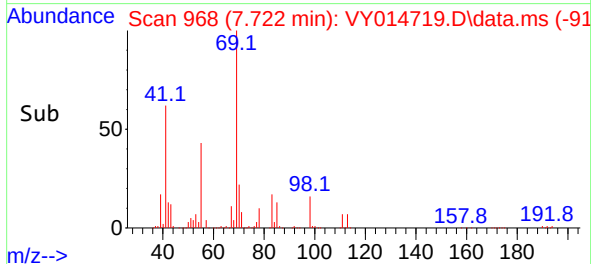
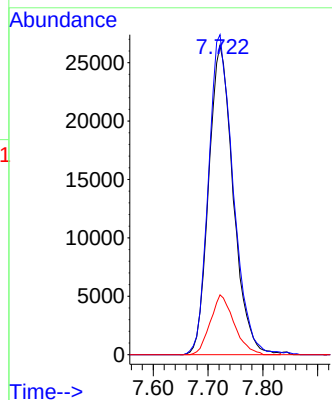
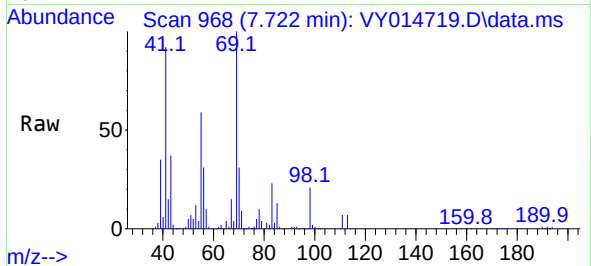
#35
Dibromofluoromethane
Concen: 47.430 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

Instrument :
MSVOA_Y
ClientSampleId :
SB-09-(3-5)

Tgt Ion:113 Resp: 8201
Ion Ratio Lower Upper
113 100
111 105.0 81.3 121.9
192 18.8 16.9 25.3

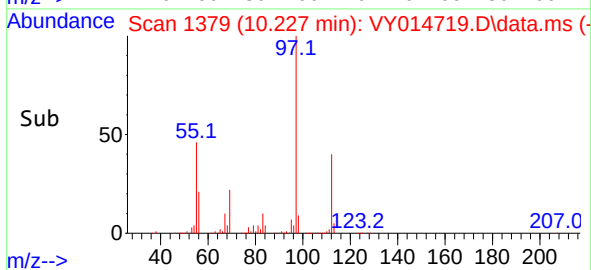
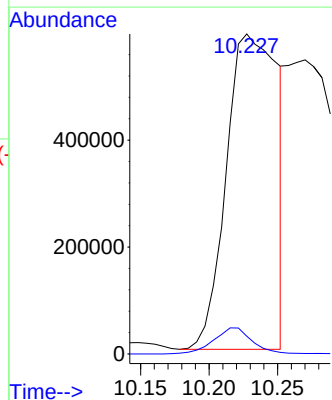
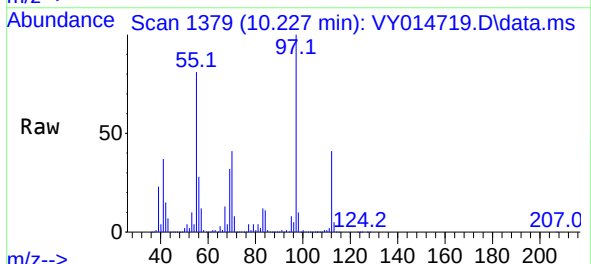
Manual Integrations
APPROVED

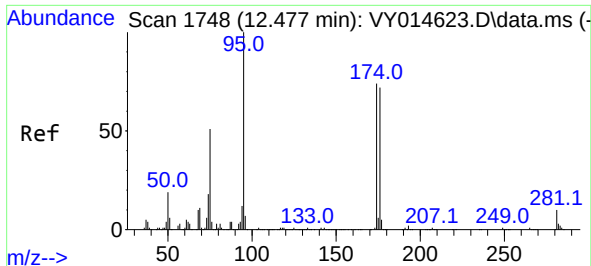
Reviewed By :John Carlone 07/21/2023
Supervised By :Mahesh Dadoda 07/21/2023



#50
Toluene-d8
Concen: 240.678 ug/l
RT: 10.227 min Scan# 1379
Delta R.T. 0.048 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

Tgt Ion: 98 Resp: 1534325
Ion Ratio Lower Upper
98 100
100 6.4 50.1 75.1#





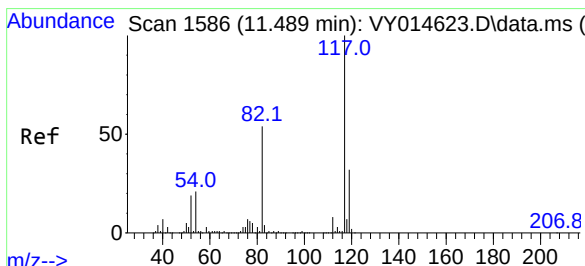
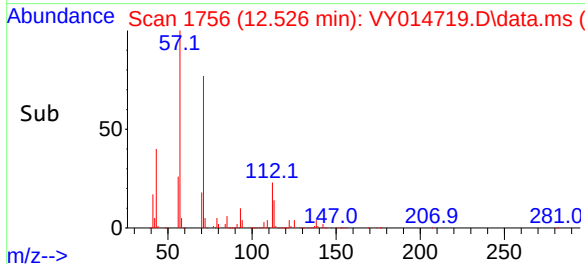
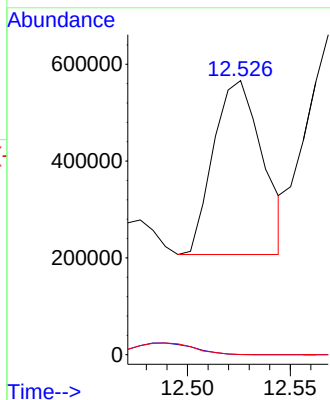
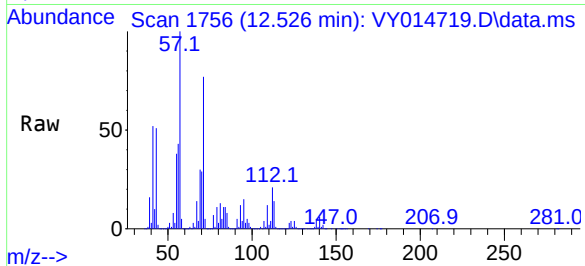
#62
4-Bromofluorobenzene
Concen: 244.458 ug/l
RT: 12.526 min Scan# 1756
Delta R.T. 0.049 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

Instrument :
MSVOA_Y
ClientSampleId :
SB-09-(3-5)

Tgt Ion: 95 Resp: 597559
Ion Ratio Lower Upper
95 100
174 0.0 0.0 178.2
176 0.0 0.0 173.8

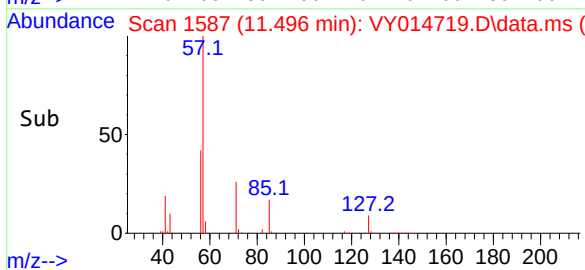
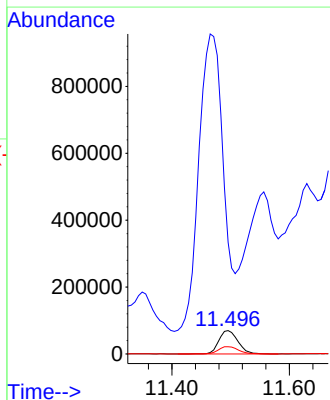
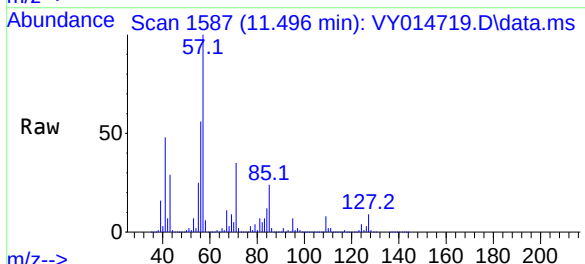
Manual Integrations
APPROVED

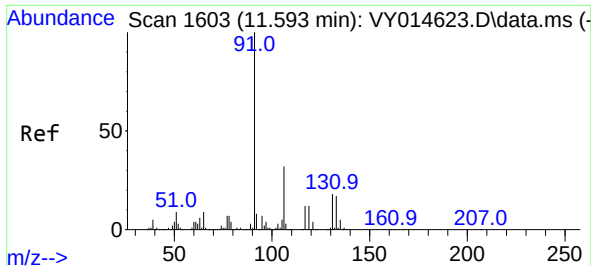
Reviewed By :John Carlone 07/21/2023
Supervised By :Mahesh Dadoda 07/21/2023



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

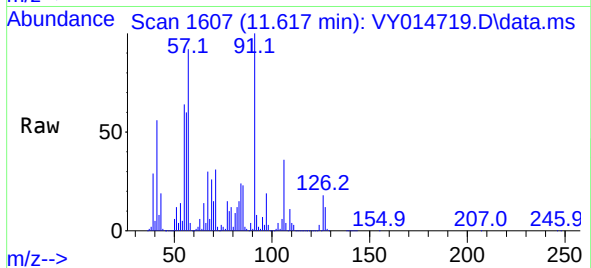
Tgt Ion:117 Resp: 156385
Ion Ratio Lower Upper
117 100
82 377.8 43.4 65.0#
119 31.0 26.3 39.5





#67
Ethyl Benzene
Concen: 1573.846 ug/l
RT: 11.617 min Scan# 1607
Delta R.T. 0.024 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

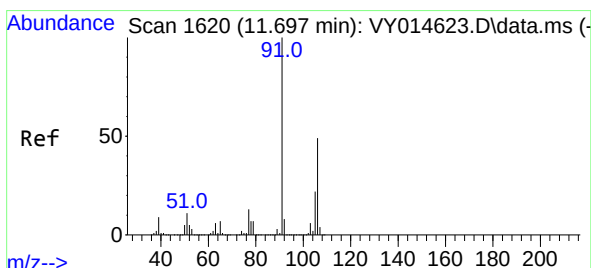
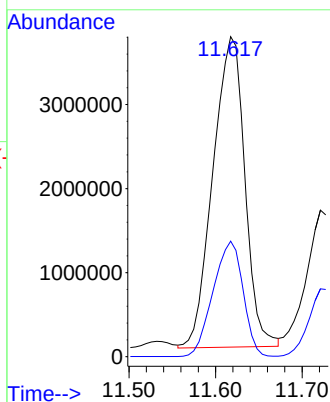
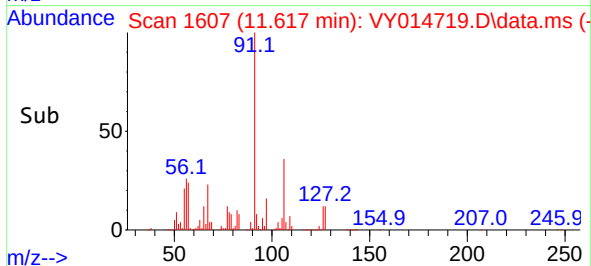
Instrument :
MSVOA_Y
ClientSampleId :
SB-09-(3-5)



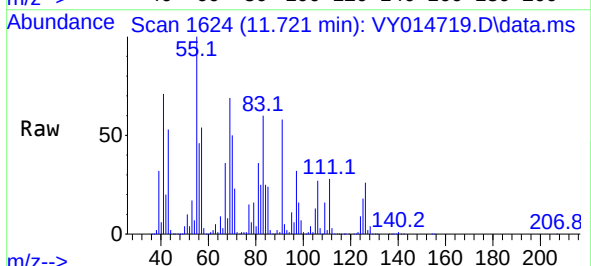
Tgt Ion: 91 Resp: 9469672
Ion Ratio Lower Upper
91 100
106 37.4 24.6 36.8

Manual Integrations
APPROVED

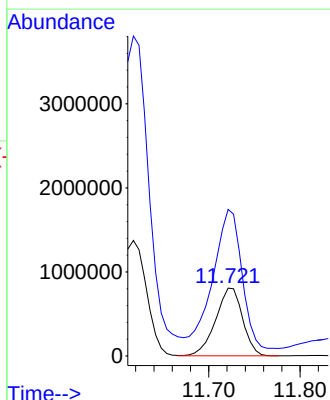
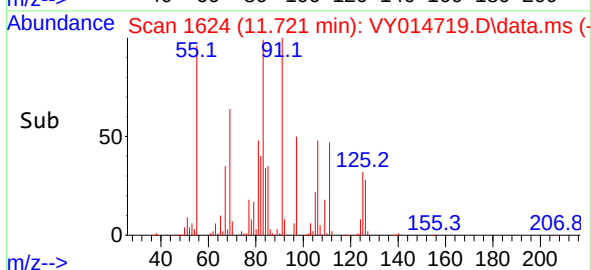
Reviewed By :John Carlone 07/21/2023
Supervised By :Mahesh Dadoda 07/21/2023

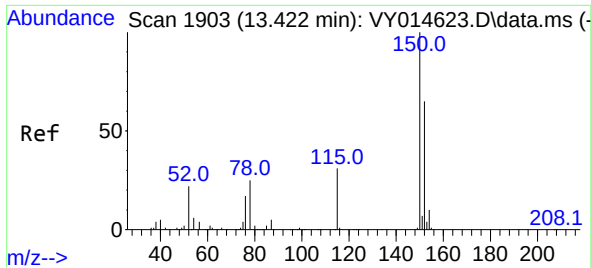


#68
m/p-Xylenes
Concen: 721.051 ug/l
RT: 11.721 min Scan# 1624
Delta R.T. 0.024 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31



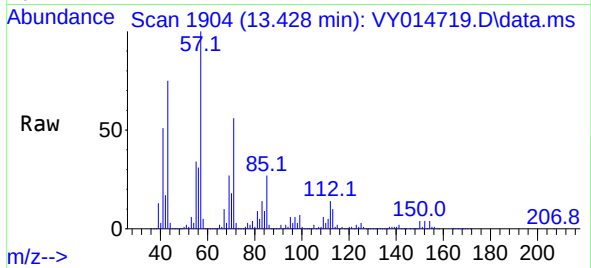
Tgt Ion:106 Resp: 1656109
Ion Ratio Lower Upper
106 100
91 218.6 166.1 249.1





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

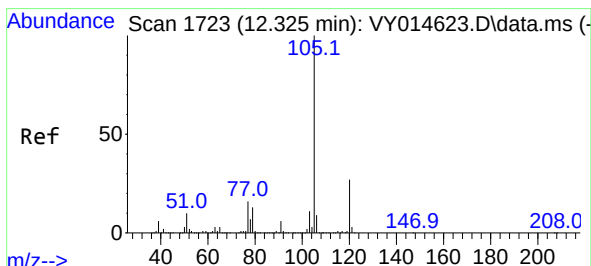
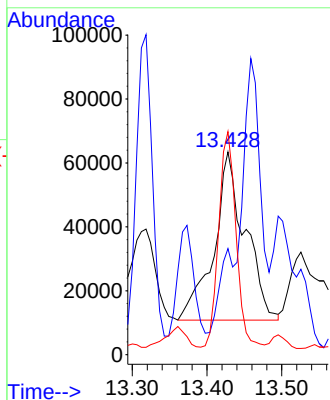
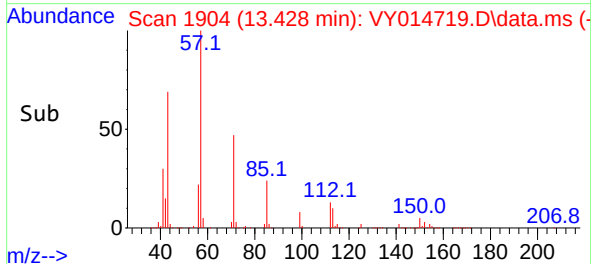
Instrument :
MSVOA_Y
ClientSampleId :
SB-09-(3-5)



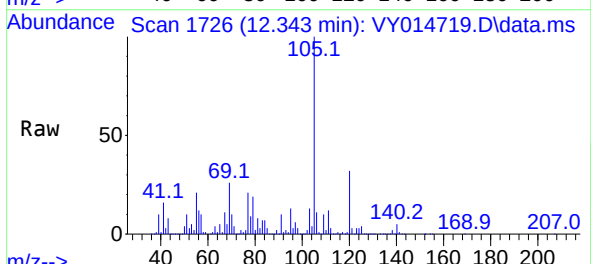
Tgt Ion:152 Resp: 15248
Ion Ratio Lower Upper
152 100
115 0.0 28.8 86.5
150 71.8 0.0 348.8

Manual Integrations
APPROVED

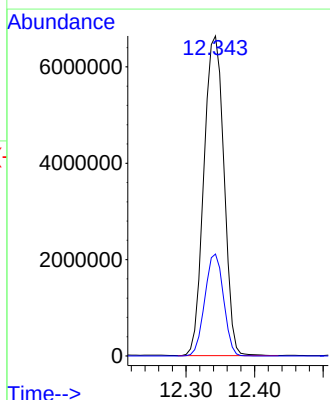
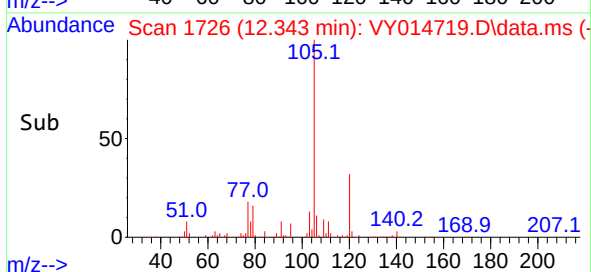
Reviewed By :John Carlone 07/21/2023
Supervised By :Mahesh Dadoda 07/21/2023

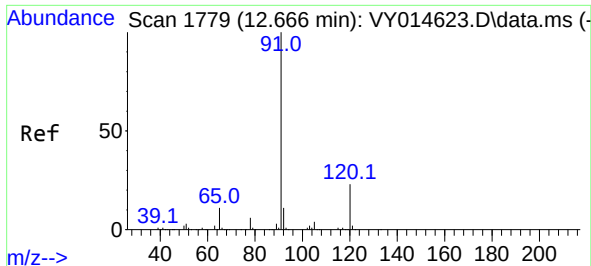


#73
Isopropylbenzene
Concen: 1130.369 ug/l
RT: 12.343 min Scan# 1726
Delta R.T. 0.018 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31



Tgt Ion:105 Resp:13496385
Ion Ratio Lower Upper
105 100
120 29.7 13.3 39.9





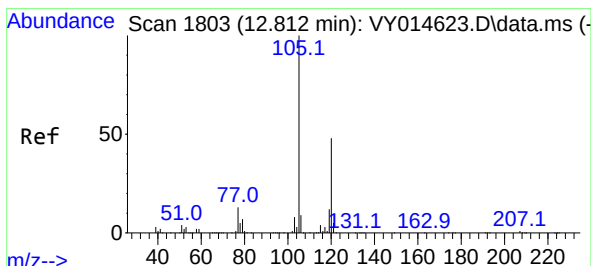
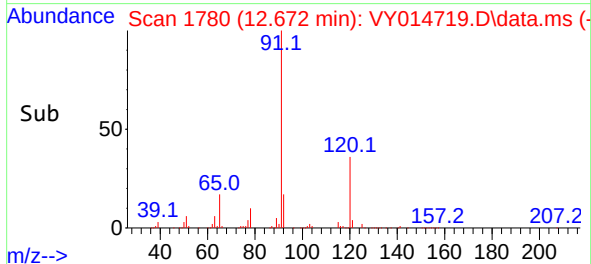
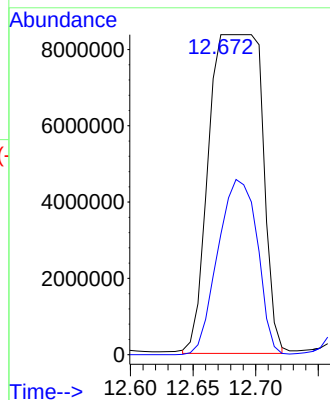
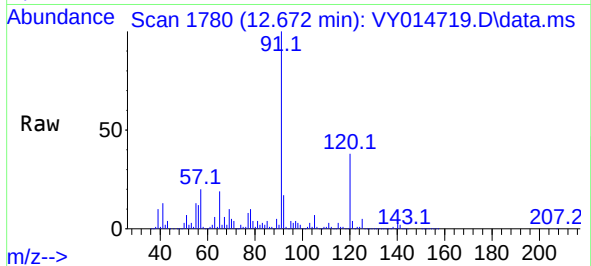
#78
n-propylbenzene
Concen: 1706.666 ug/l m
RT: 12.672 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

Instrument :
MSVOA_Y
ClientSampleId :
SB-09-(3-5)

Tgt Ion: 91 Resp:2455482
Ion Ratio Lower Upper
91 100
120 0.0 11.5 34.4

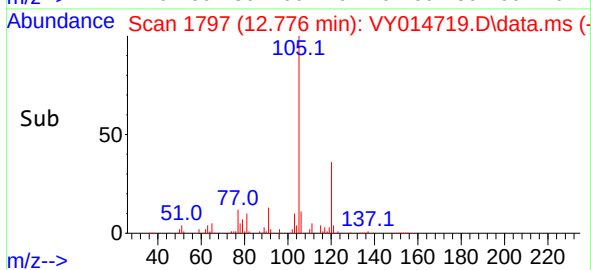
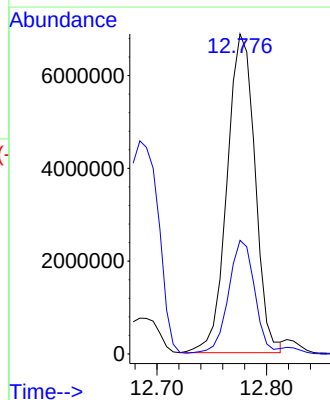
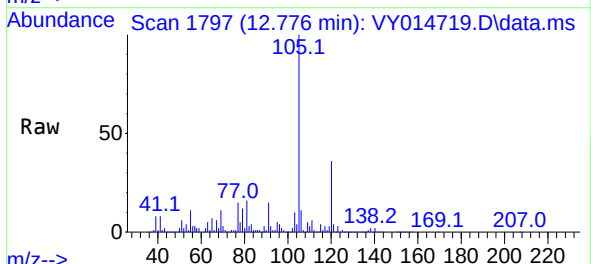
Manual Integrations
APPROVED

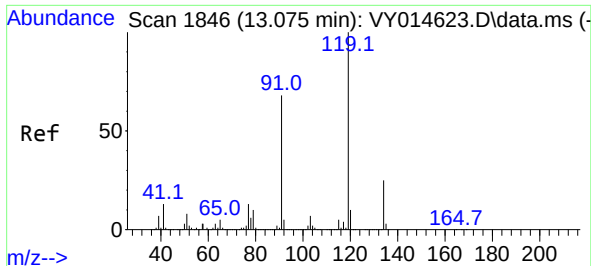
Reviewed By :John Carlone 07/21/2023
Supervised By :Mahesh Dadoda 07/21/2023



#80
1,3,5-Trimethylbenzene
Concen: 1222.460 ug/l
RT: 12.776 min Scan# 1797
Delta R.T. -0.036 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

Tgt Ion:105 Resp:12189708
Ion Ratio Lower Upper
105 100
120 33.0 23.9 71.7





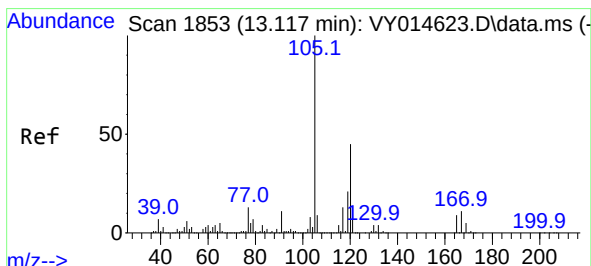
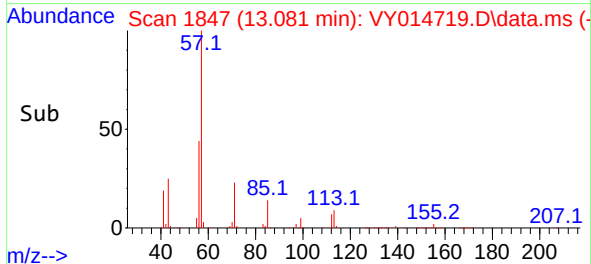
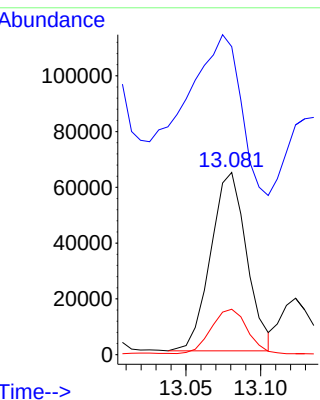
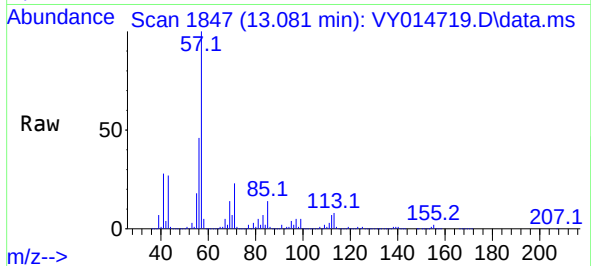
#83
tert-Butylbenzene
Concen: 12.083 ug/l
RT: 13.081 min Scan# 1846
Delta R.T. 0.006 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

Instrument :
MSVOA_Y
ClientSampleId :
SB-09-(3-5)

Tgt Ion:119 Resp: 106880
Ion Ratio Lower Upper
119 100
91 140.4 32.9 98.6
134 0.0 13.0 38.9

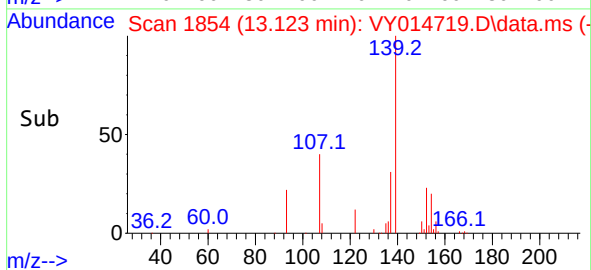
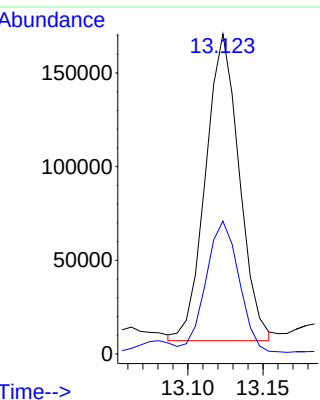
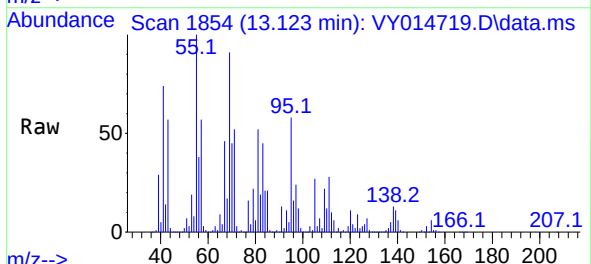
Manual Integrations
APPROVED

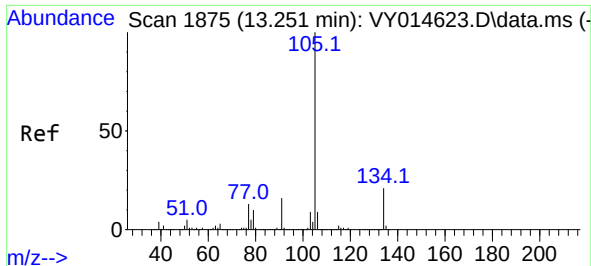
Reviewed By :John Carlone 07/21/2023
Supervised By :Mahesh Dadoda 07/21/2023



#84
1,2,4-Trimethylbenzene
Concen: 26.005 ug/l m
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY014719.D
Acq: 20 Jul 2023 14:31

Tgt Ion:105 Resp: 254483
Ion Ratio Lower Upper
105 100
120 1843.3 22.2 66.6#





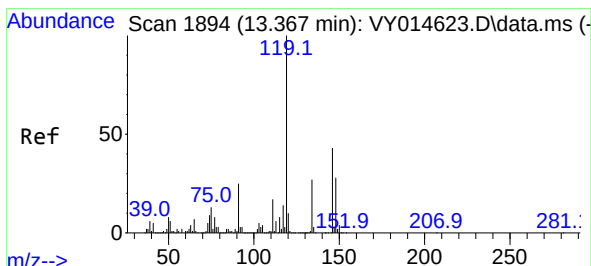
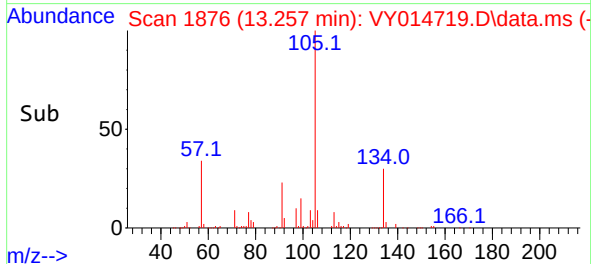
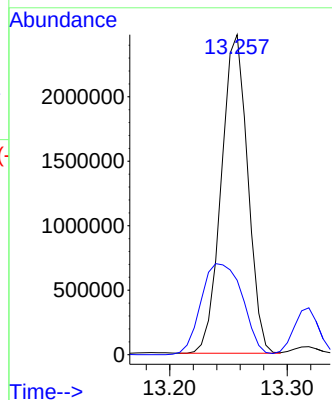
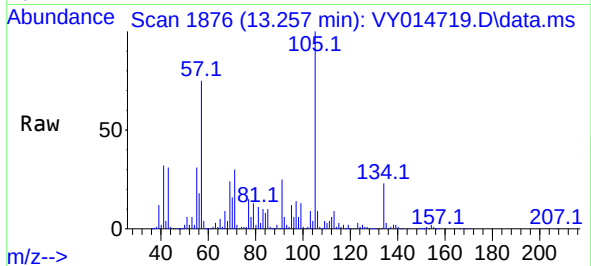
#85
 sec-Butylbenzene
 Concen: 297.421 ug/l
 RT: 13.257 min Scan# 1876
 Delta R.T. 0.006 min
 Lab File: VY014719.D
 Acq: 20 Jul 2023 14:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-09-(3-5)

Tgt Ion:105 Resp: 3859190
 Ion Ratio Lower Upper
 105 100
 134 44.7 10.2 30.6

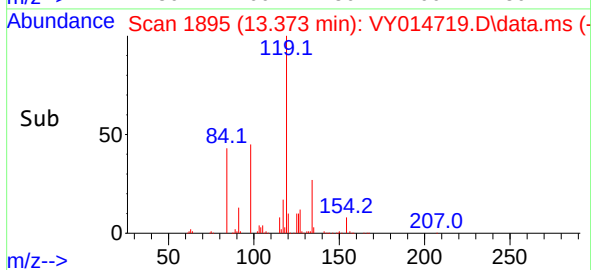
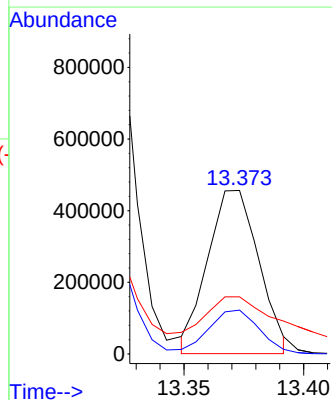
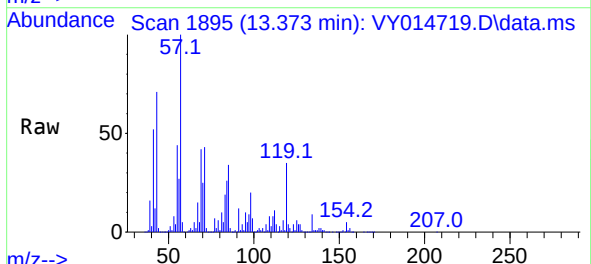
Manual Integrations
 APPROVED

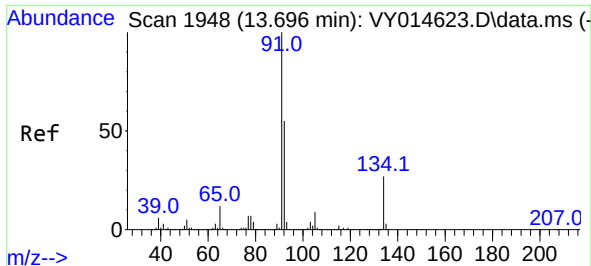
Reviewed By :John Carlone 07/21/2023
 Supervised By :Mahesh Dadoda 07/21/2023



#86
 p-Isopropyltoluene
 Concen: 64.074 ug/l m
 RT: 13.373 min Scan# 1895
 Delta R.T. 0.006 min
 Lab File: VY014719.D
 Acq: 20 Jul 2023 14:31

Tgt Ion:119 Resp: 678812
 Ion Ratio Lower Upper
 119 100
 134 79.3 13.3 39.8#
 91 71.3 12.4 37.4#





#89

n-Butylbenzene

Concen: 673.918 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY014719.D

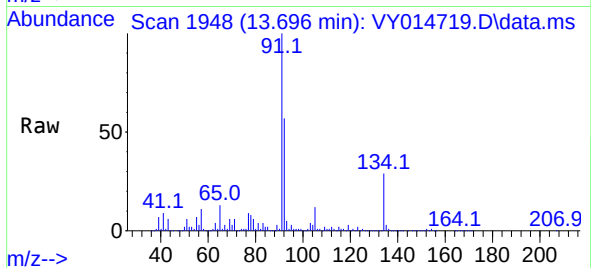
Acq: 20 Jul 2023 14:31

Instrument :

MSVOA_Y

ClientSampleId :

SB-09-(3-5)



Tgt Ion: 91 Resp: 6946109

Ion Ratio Lower Upper

91 100

92 50.6 25.4 76.0

134 45.2 12.6 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/21/2023

Supervised By :Mahesh Dadoda 07/21/2023

