

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092424\
 Data File : VY019686.D
 Acq On : 24 Sep 2024 16:42
 Operator : SY/MD
 Sample : P4168-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-03-09242024

Quant Time: Sep 25 01:27:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

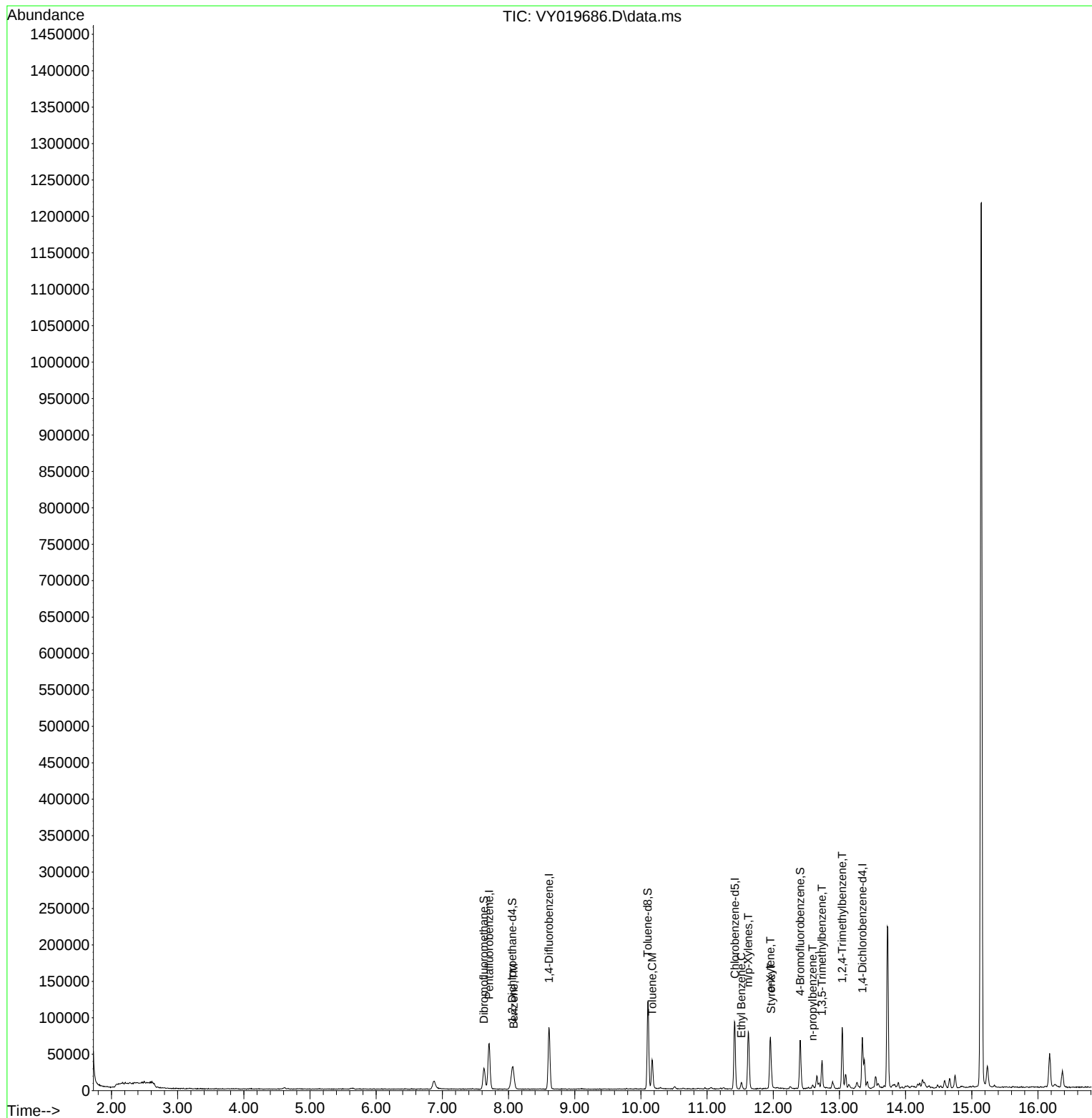
Internal Standards						
1) Pentafluorobenzene	7.707	168	46125	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.609	114	72788	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	49605	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	16145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	17872	41.844	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.680%
35) Dibromofluoromethane	7.628	113	20655	50.049	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.100%
50) Toluene-d8	10.103	98	77935	51.056	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.120%
62) 4-Bromofluorobenzene	12.408	95	19076	32.501	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	65.000%
Target Compounds						
						Qvalue
40) Benzene	8.079	78	12950	7.487	ug/l	96
52) Toluene	10.170	92	16282	14.637	ug/l	100
67) Ethyl Benzene	11.517	91	6283	3.624	ug/l	89
68) m/p-Xylenes	11.621	106	24390	37.204	ug/l	98
69) o-Xylene	11.956	106	16260	25.361	ug/l	87
70) Styrene	11.969	104	9170	8.471	ug/l #	71
78) n-propylbenzene	12.597	91	2273	1.637	ug/l	96
80) 1,3,5-Trimethylbenzene	12.737	105	18151	19.062	ug/l	96
84) 1,2,4-Trimethylbenzene	13.042	105	44165	46.857	ug/l	99

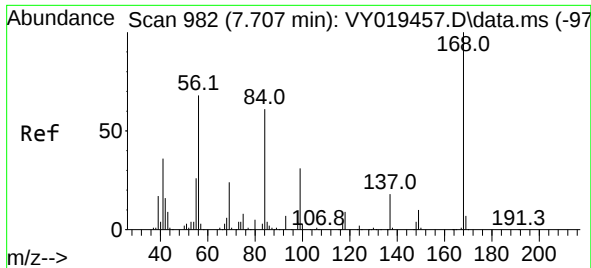
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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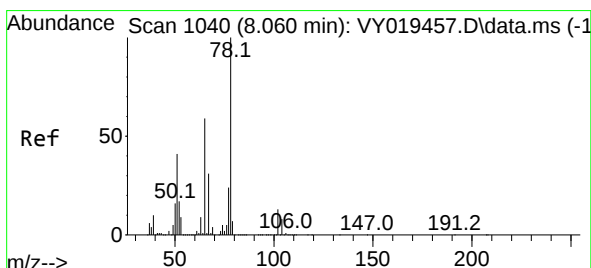
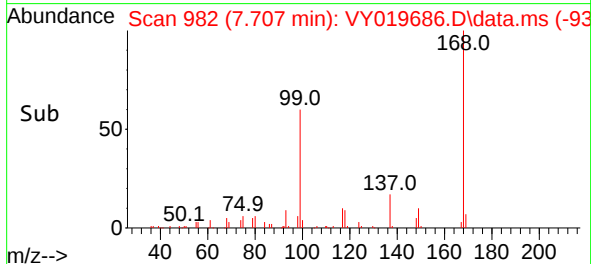
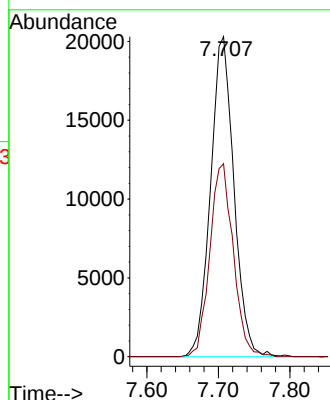
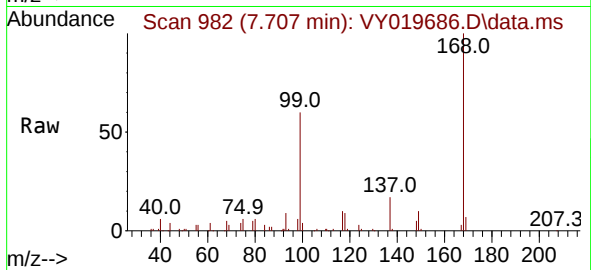




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019686.D
Acq: 24 Sep 2024 16:42

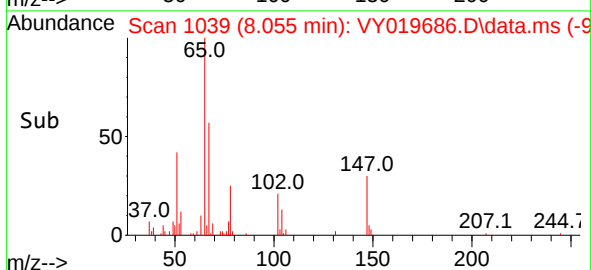
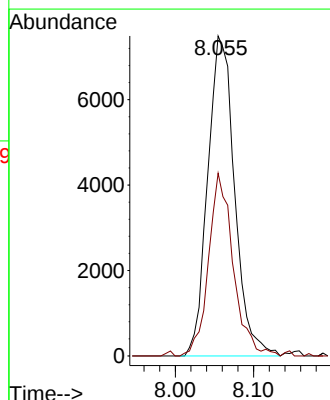
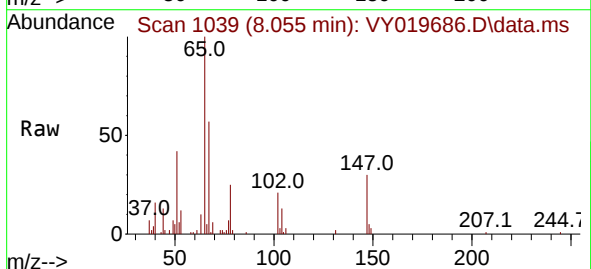
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-09242024

Tgt Ion:168 Resp: 46125
Ion Ratio Lower Upper
168 100
99 60.3 39.1 58.7#



#33
1,2-Dichloroethane-d4
Concen: 41.844 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY019686.D
Acq: 24 Sep 2024 16:42

Tgt Ion: 65 Resp: 17872
Ion Ratio Lower Upper
65 100
67 52.3 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY019686.D

Acq: 24 Sep 2024 16:42

Instrument :

MSVOA_Y

ClientSampleId :

SU-03-09242024

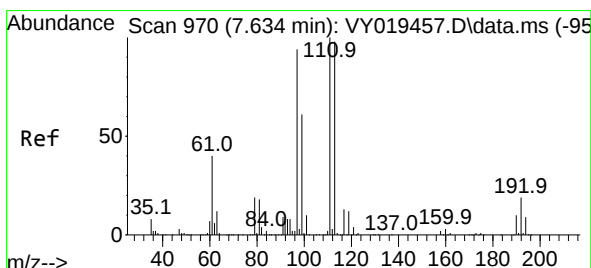
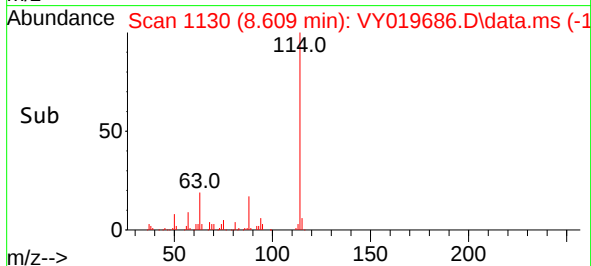
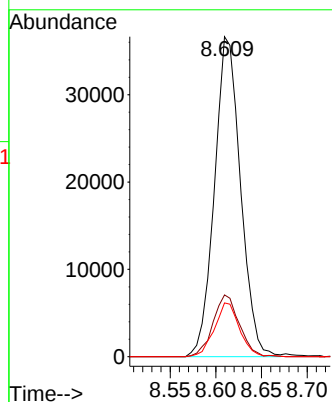
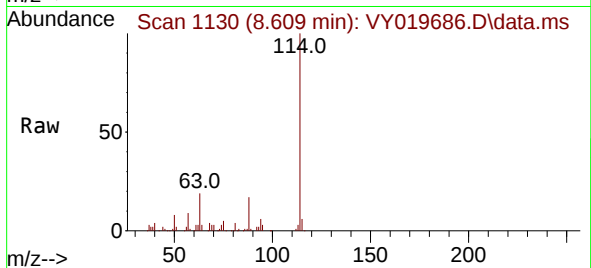
Tgt Ion:114 Resp: 72788

Ion Ratio Lower Upper

114 100

63 19.3 0.0 35.0

88 16.8 0.0 27.2



#35

Dibromofluoromethane

Concen: 50.049 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY019686.D

Acq: 24 Sep 2024 16:42

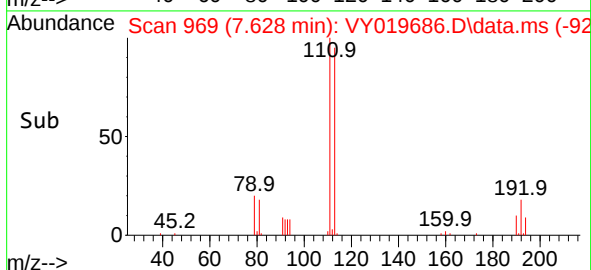
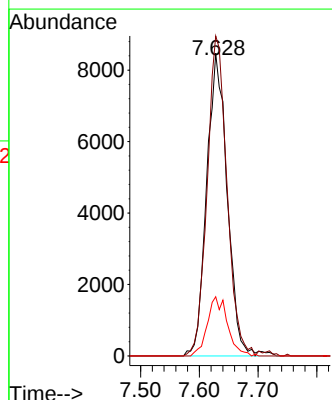
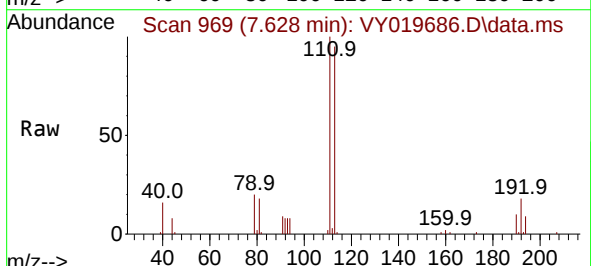
Tgt Ion:113 Resp: 20655

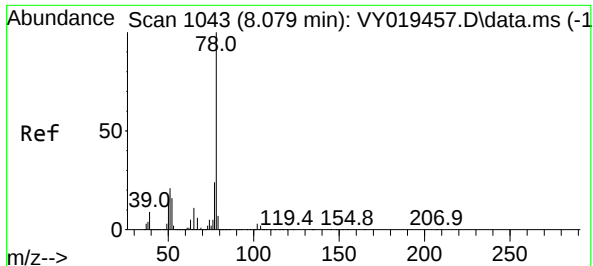
Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.4

192 19.2 15.9 23.9

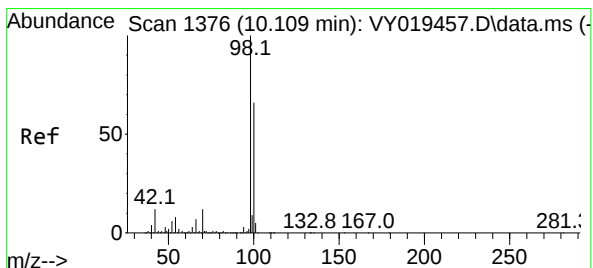
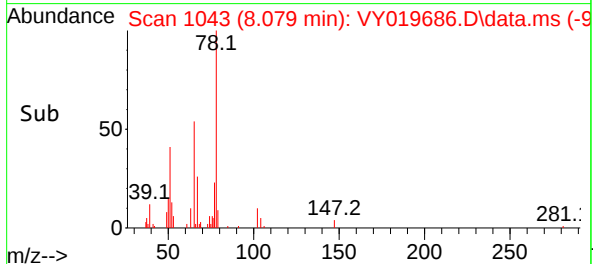
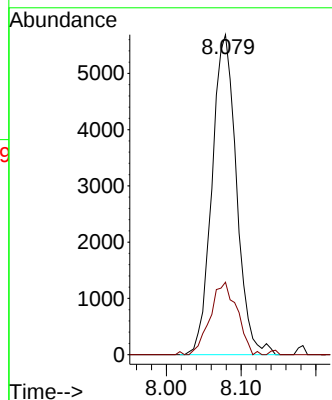
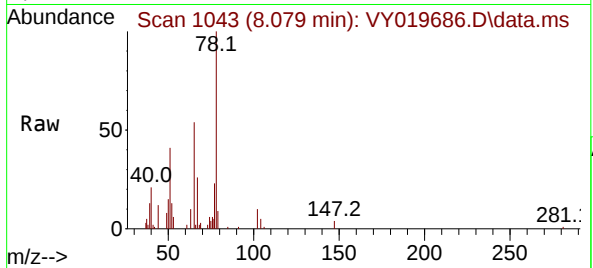




#40
Benzene
Concen: 7.487 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VY019686.D
Acq: 24 Sep 2024 16:42

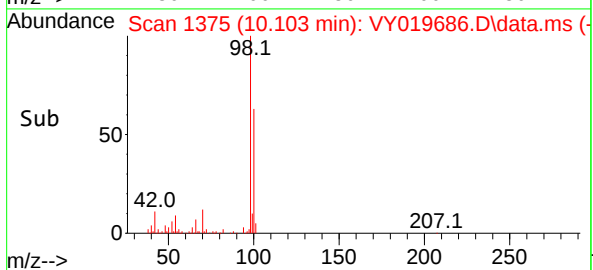
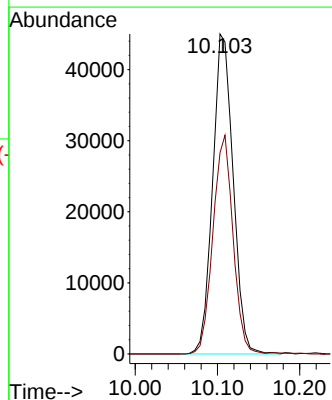
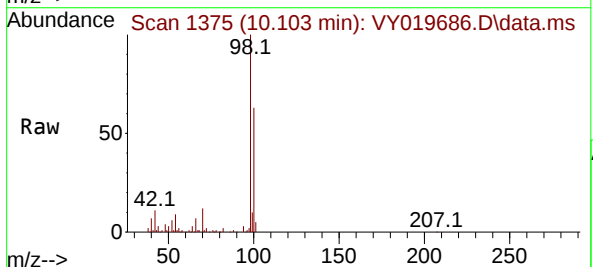
Instrument :
MSVOA_Y
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SU-03-09242024

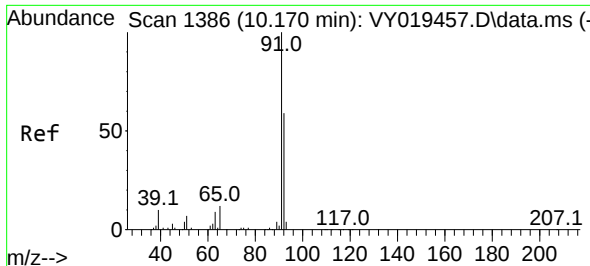
Tgt Ion: 78 Resp: 12950
Ion Ratio Lower Upper
78 100
77 22.6 19.5 29.3



#50
Toluene-d8
Concen: 51.056 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY019686.D
Acq: 24 Sep 2024 16:42

Tgt Ion: 98 Resp: 77935
Ion Ratio Lower Upper
98 100
100 66.9 52.0 78.0

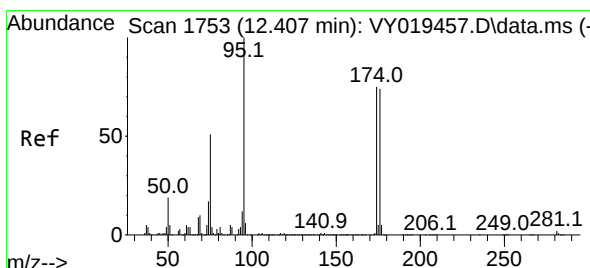
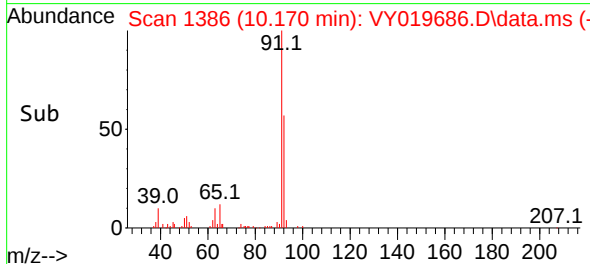
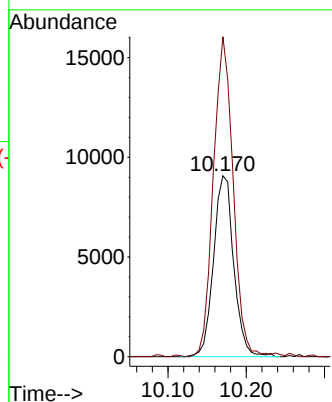
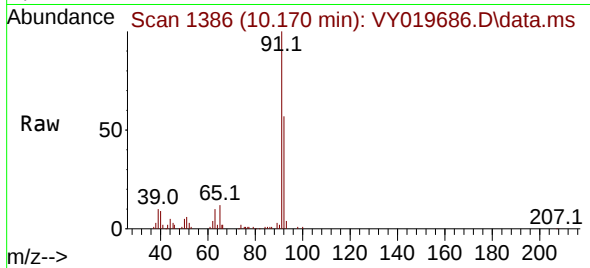




#52
Toluene
Concen: 14.637 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY019686.D
Acq: 24 Sep 2024 16:42

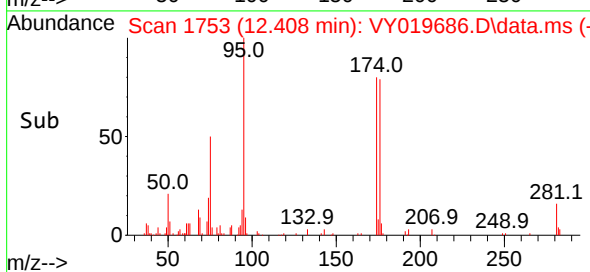
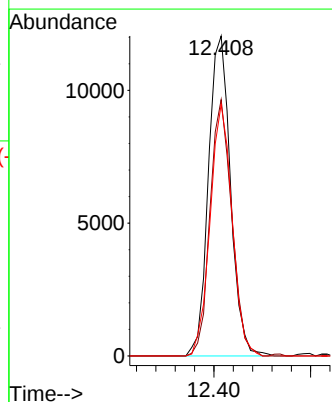
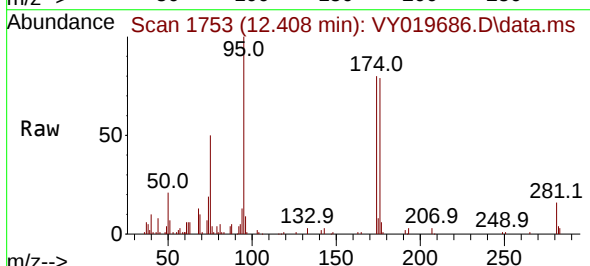
Instrument :
MSVOA_Y
ClientSampleId :
SU-03-09242024

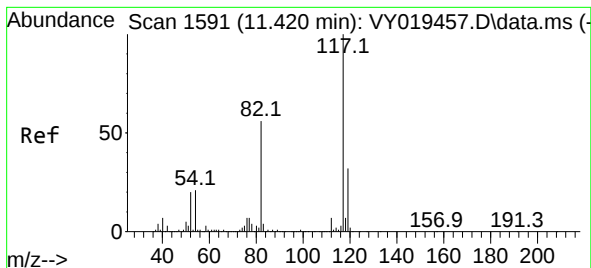
Tgt Ion: 92 Resp: 16282
Ion Ratio Lower Upper
92 100
91 173.3 139.0 208.6



#62
4-Bromofluorobenzene
Concen: 32.501 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY019686.D
Acq: 24 Sep 2024 16:42

Tgt Ion: 95 Resp: 19076
Ion Ratio Lower Upper
95 100
174 78.8 0.0 175.6
176 78.4 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019686.D

Acq: 24 Sep 2024 16:42

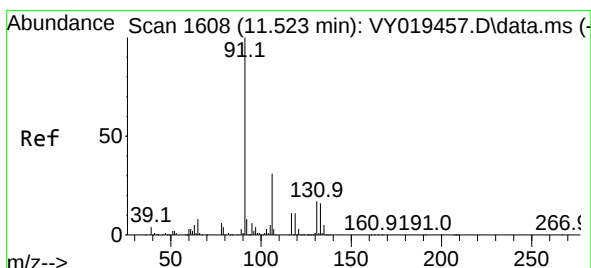
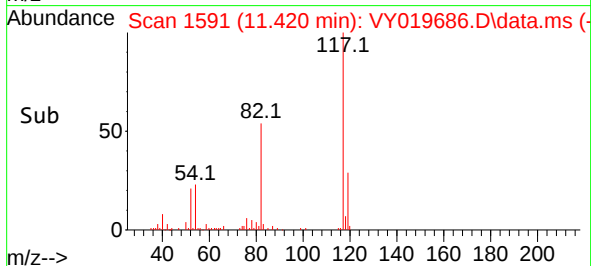
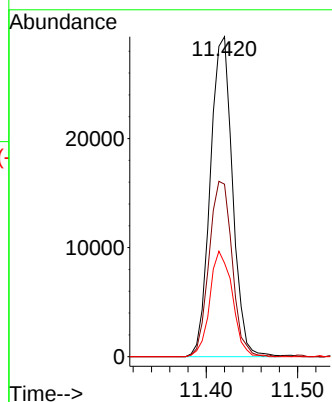
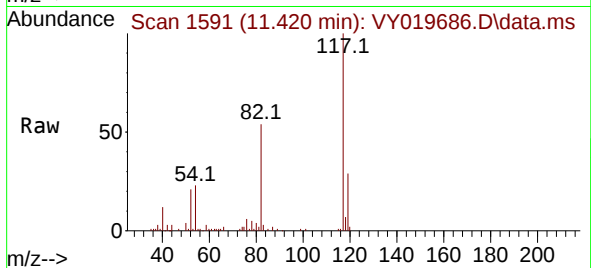
Instrument :

MSVOA_Y

ClientSampleId :

SU-03-09242024

Tgt Ion:	117	Resp:	49605
Ion	Ratio	Lower	Upper
117	100		
82	53.9	42.4	63.6
119	29.3	25.9	38.9



#67

Ethyl Benzene

Concen: 3.624 ug/l

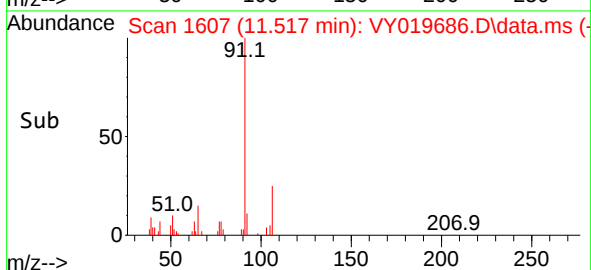
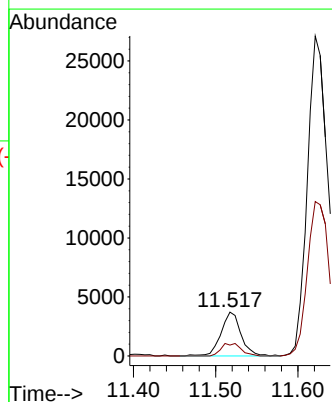
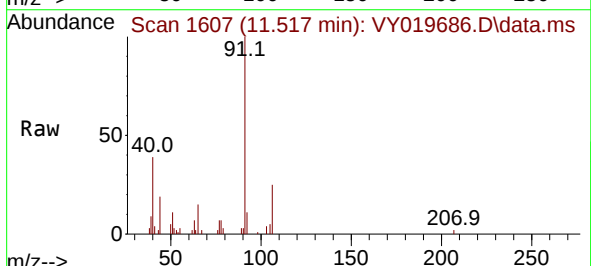
RT: 11.517 min Scan# 1607

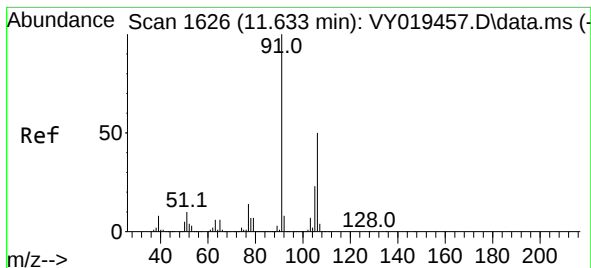
Delta R.T. -0.006 min

Lab File: VY019686.D

Acq: 24 Sep 2024 16:42

Tgt Ion:	91	Resp:	6283
Ion	Ratio	Lower	Upper
91	100		
106	24.7	24.5	36.7





#68

m/p-Xylenes

Concen: 37.204 ug/l

RT: 11.621 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY019686.D

Acq: 24 Sep 2024 16:42

Instrument :

MSVOA_Y

ClientSampleId :

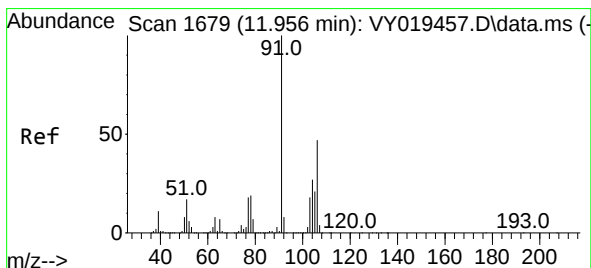
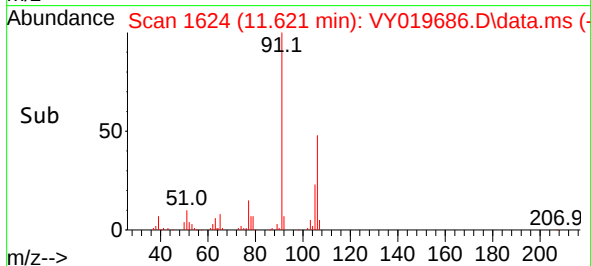
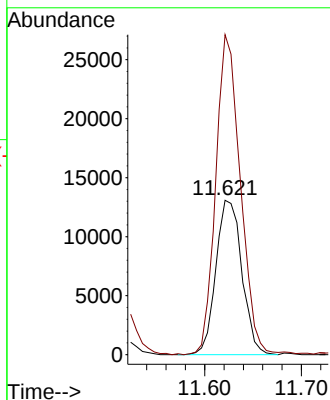
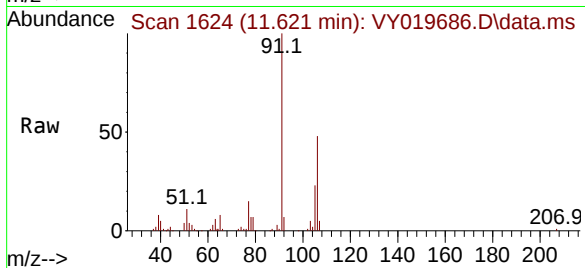
SU-03-09242024

Tgt Ion:106 Resp: 24390

Ion Ratio Lower Upper

106 100

91 197.5 156.0 234.0



#69

o-Xylene

Concen: 25.361 ug/l

RT: 11.956 min Scan# 1679

Delta R.T. 0.000 min

Lab File: VY019686.D

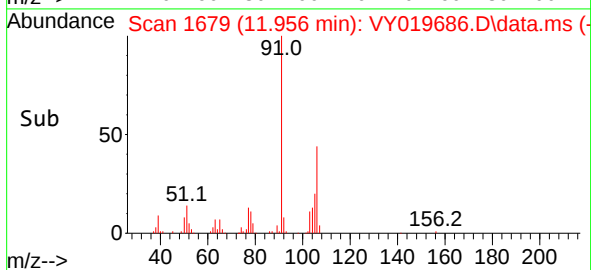
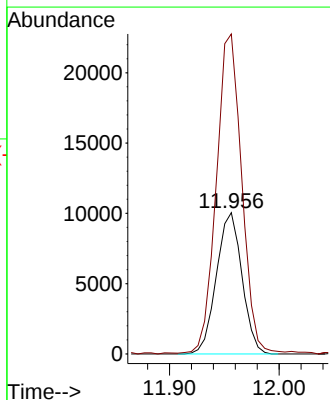
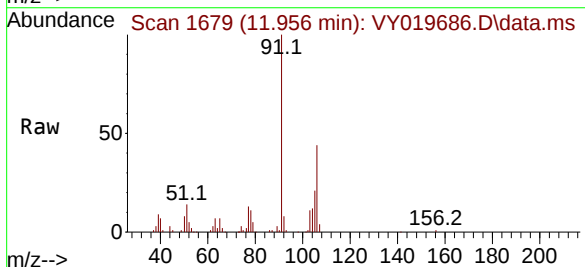
Acq: 24 Sep 2024 16:42

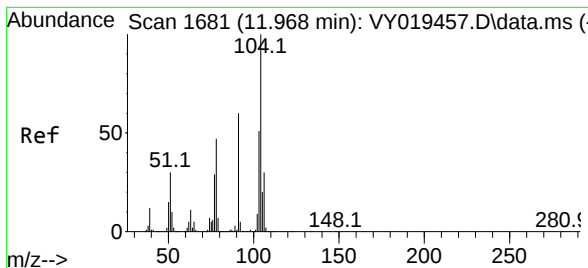
Tgt Ion:106 Resp: 16260

Ion Ratio Lower Upper

106 100

91 227.5 103.6 310.8





#70

Styrene

Concen: 8.471 ug/l

RT: 11.969 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019686.D

Acq: 24 Sep 2024 16:42

Instrument :

MSVOA_Y

ClientSampleId :

SU-03-09242024

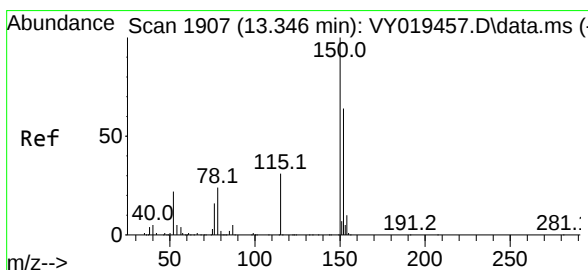
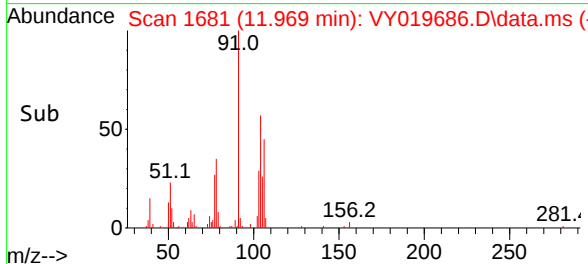
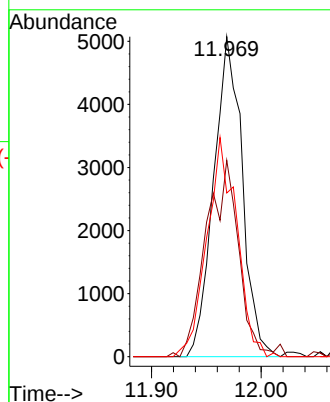
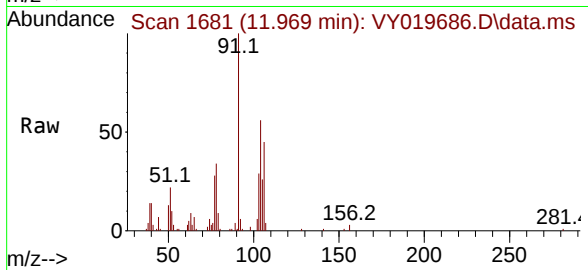
Tgt Ion:104 Resp: 9170

Ion Ratio Lower Upper

104 100

78 70.5 37.0 55.4#

103 71.6 44.2 66.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019686.D

Acq: 24 Sep 2024 16:42

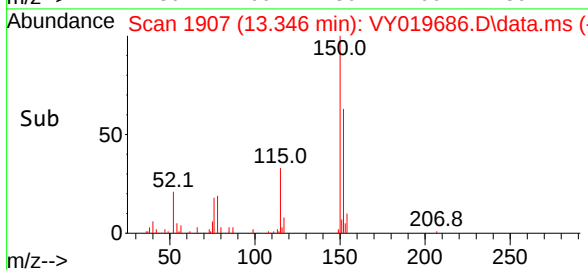
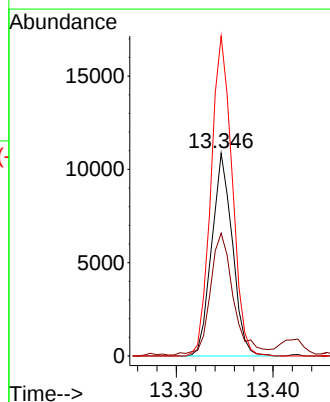
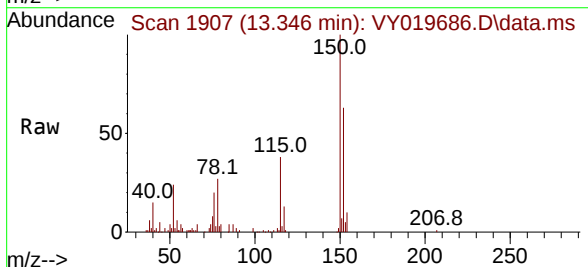
Tgt Ion:152 Resp: 16145

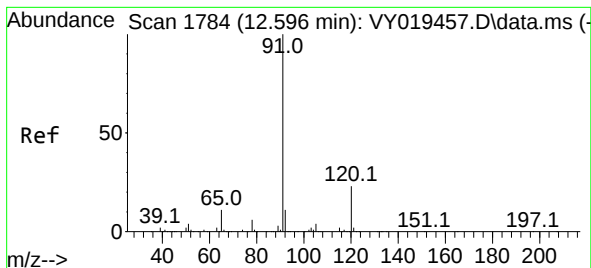
Ion Ratio Lower Upper

152 100

115 67.0 28.2 84.7

150 161.5 0.0 345.6





#78

n-propylbenzene

Concen: 1.637 ug/l

RT: 12.597 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019686.D

Acq: 24 Sep 2024 16:42

Instrument :

MSVOA_Y

ClientSampleId :

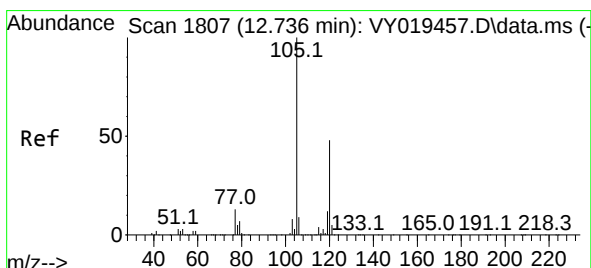
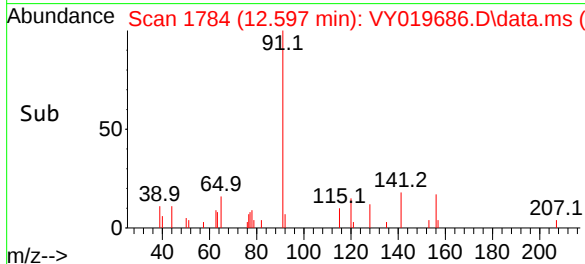
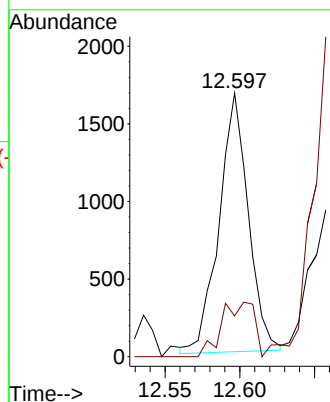
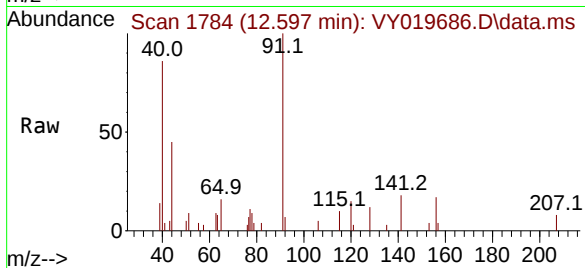
SU-03-09242024

Tgt Ion: 91 Resp: 2273

Ion Ratio Lower Upper

91 100

120 24.7 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 19.062 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY019686.D

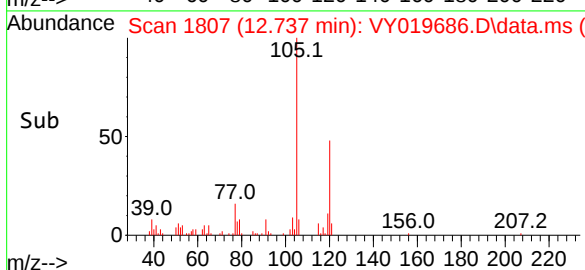
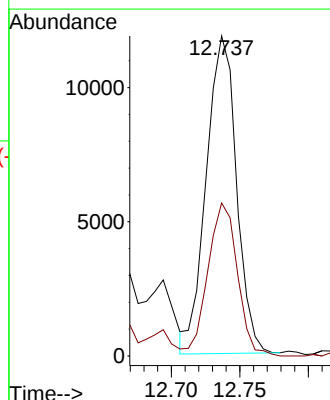
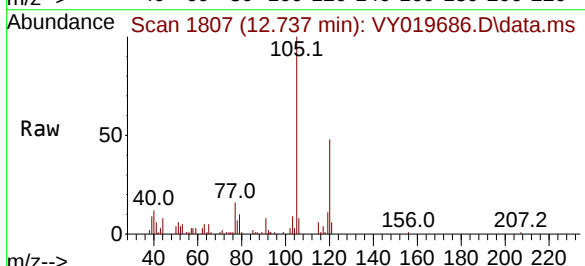
Acq: 24 Sep 2024 16:42

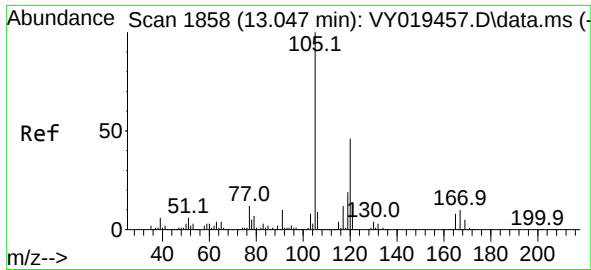
Tgt Ion: 105 Resp: 18151

Ion Ratio Lower Upper

105 100

120 47.0 25.1 75.2





#84

1,2,4-Trimethylbenzene

Concen: 46.857 ug/l

RT: 13.042 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019686.D

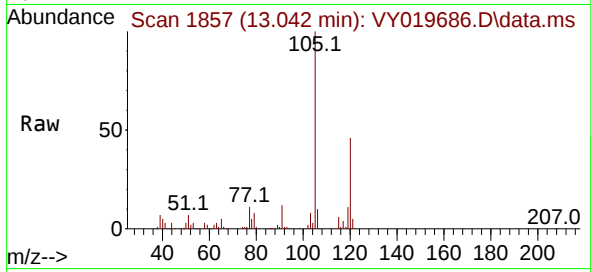
Acq: 24 Sep 2024 16:42

Instrument :

MSVOA_Y

ClientSampleId :

SU-03-09242024



Tgt Ion:105 Resp: 44165

Ion Ratio Lower Upper

105 100

120 45.4 23.2 69.6

