

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092024\
 Data File : VY019653.D
 Acq On : 20 Sep 2024 18:07
 Operator : SY/MD
 Sample : P4125-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-01-09192024

Quant Time: Sep 20 23:53:28 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)

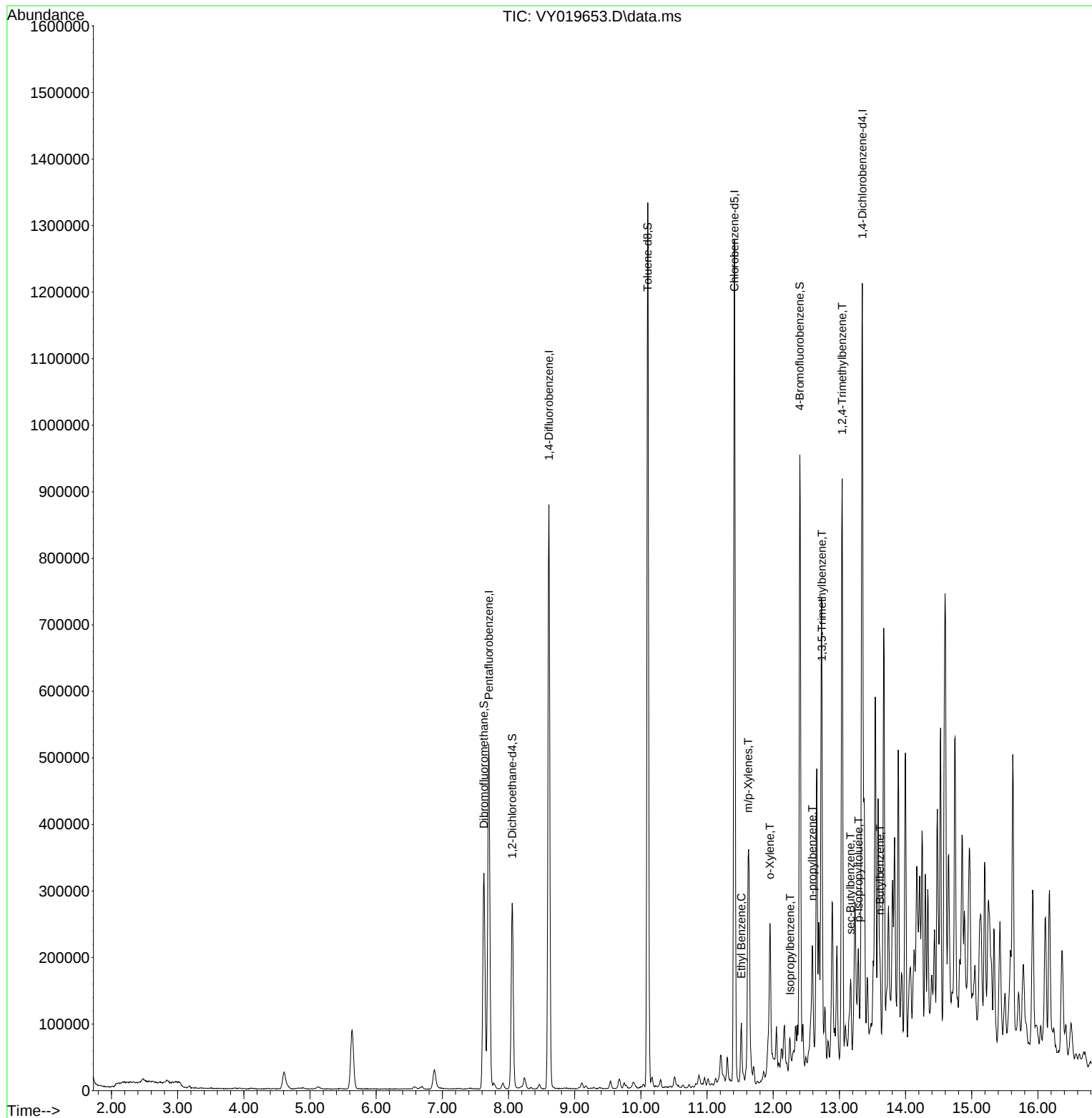
Internal Standards						
1) Pentafluorobenzene	7.701	168	391432	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.609	114	729107	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	657774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	272471	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	219408	60.533	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery	= 121.060%		
35) Dibromofluoromethane	7.628	113	231271	55.945	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery	= 111.880%		
50) Toluene-d8	10.103	98	852981	55.786	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery	= 111.580%		
62) 4-Bromofluorobenzene	12.401	95	292483	49.748	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery	= 99.500%		
Target Compounds						
67) Ethyl Benzene	11.518	91	56720	2.467	ug/l	Qvalue 98
68) m/p-Xylenes	11.621	106	90264	10.383	ug/l	94
69) o-Xylene	11.950	106	51190	6.021	ug/l	94
73) Isopropylbenzene	12.255	105	27186	1.375	ug/l	96
78) n-propylbenzene	12.590	91	104861	4.476	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	117012	7.282	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	447087	28.107	ug/l	98
85) sec-Butylbenzene	13.170	105	52063	2.463	ug/l	87
86) p-Isopropyltoluene	13.292	119	29873	1.728	ug/l	95
89) n-Butylbenzene	13.615	91	55451	3.355	ug/l	# 77

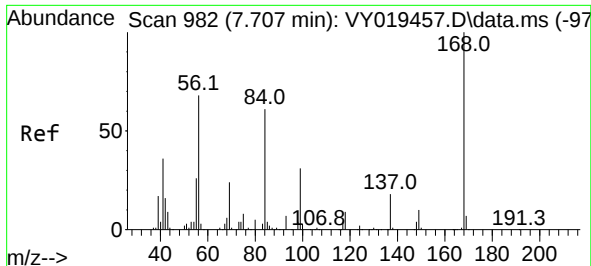
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
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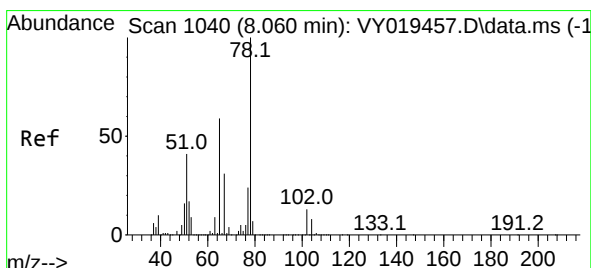
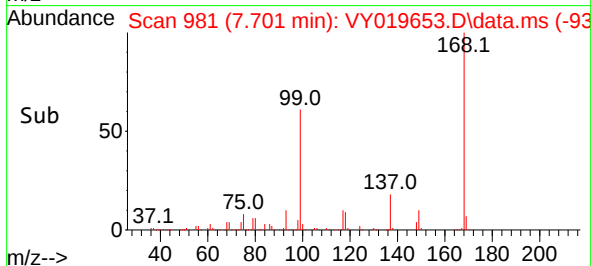
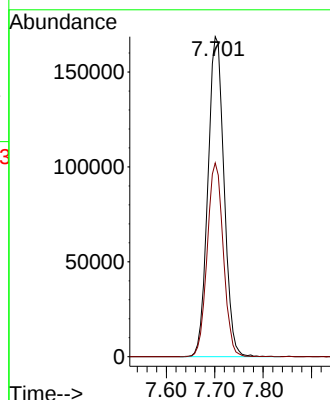
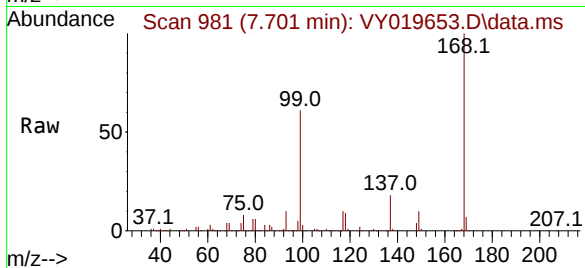




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019653.D
Acq: 20 Sep 2024 18:07

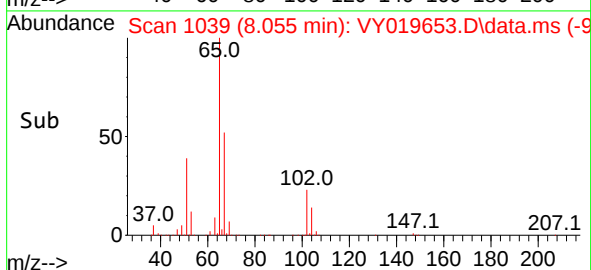
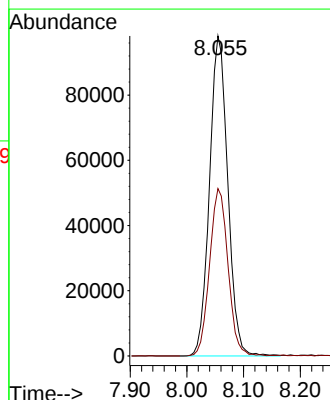
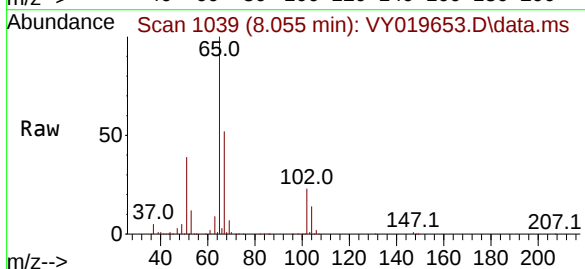
Instrument :
MSVOA_Y
ClientSampleId :
PL-01-09192024

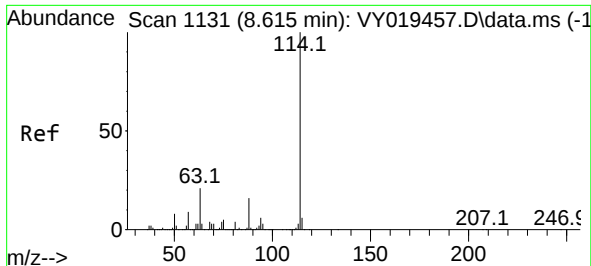
Tgt Ion:168 Resp: 391432
Ion Ratio Lower Upper
168 100
99 60.5 39.1 58.7#



#33
1,2-Dichloroethane-d4
Concen: 60.533 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY019653.D
Acq: 20 Sep 2024 18:07

Tgt Ion: 65 Resp: 219408
Ion Ratio Lower Upper
65 100
67 52.7 0.0 109.6

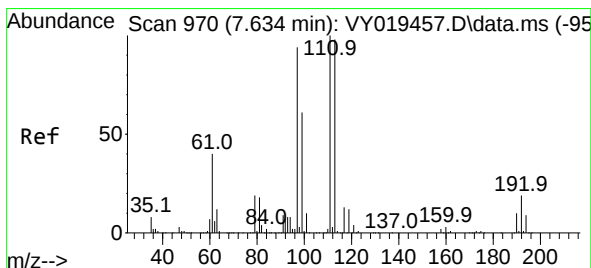
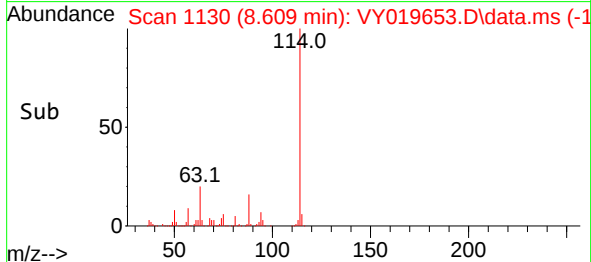
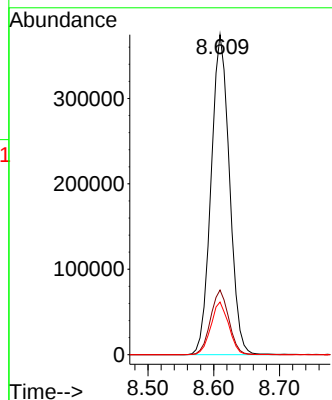
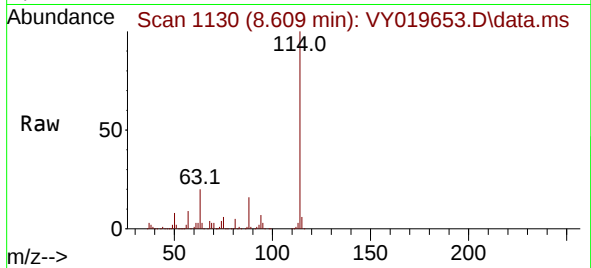




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY019653.D
Acq: 20 Sep 2024 18:07

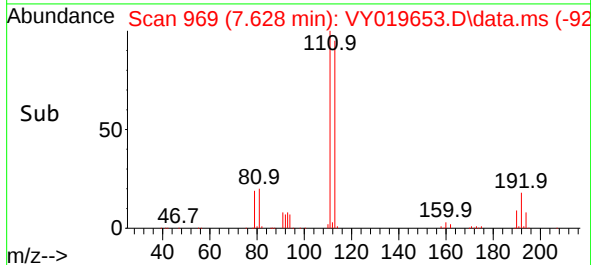
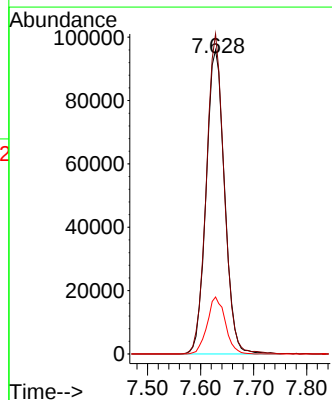
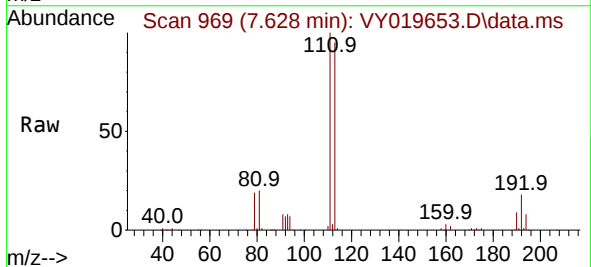
Instrument :
MSVOA_Y
ClientSampleId :
PL-01-09192024

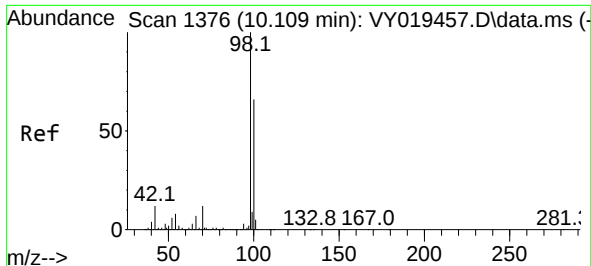
Tgt Ion:	114	Resp:	729107
Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	35.0
88	16.5	0.0	27.2



#35
Dibromofluoromethane
Concen: 55.945 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY019653.D
Acq: 20 Sep 2024 18:07

Tgt Ion:	113	Resp:	231271
Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.2	123.4
192	18.4	15.9	23.9

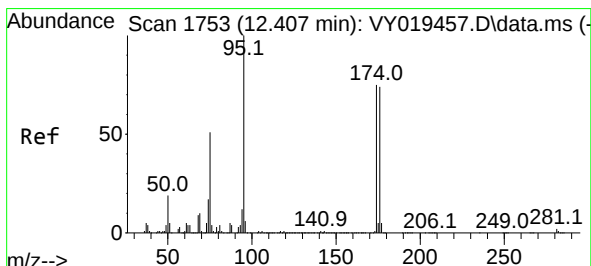
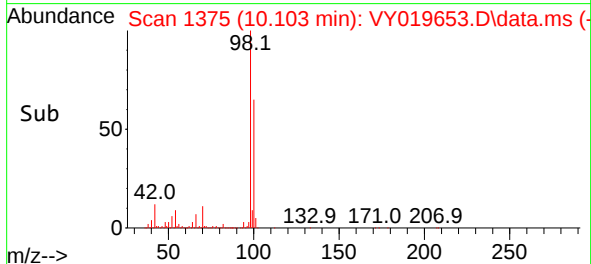
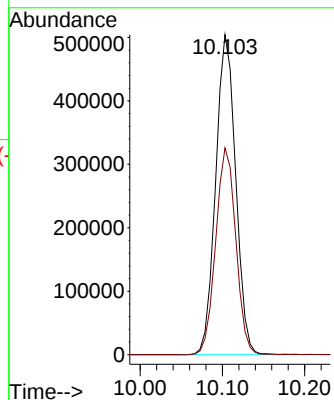
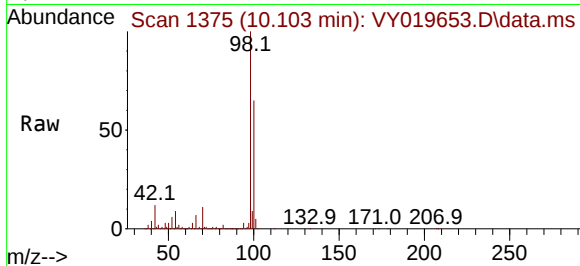




#50
Toluene-d8
Concen: 55.786 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY019653.D
Acq: 20 Sep 2024 18:07

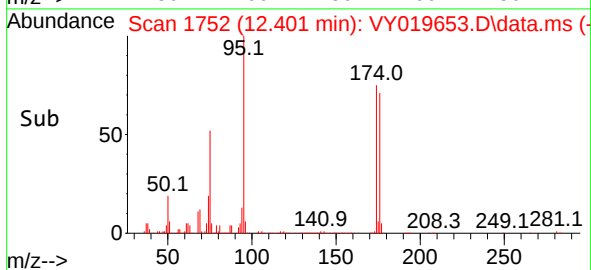
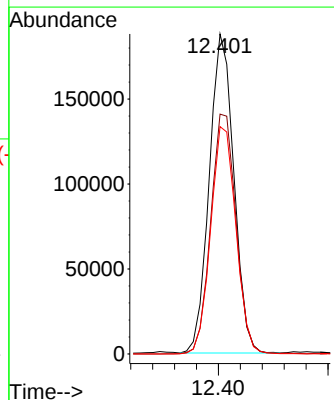
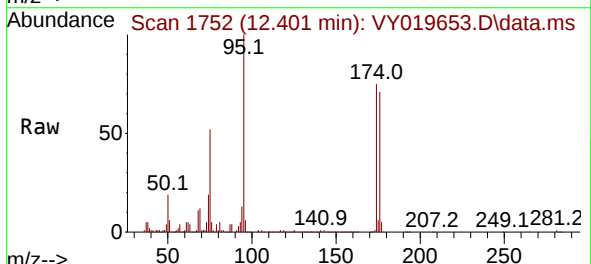
Instrument :
MSVOA_Y
ClientSampleId :
PL-01-09192024

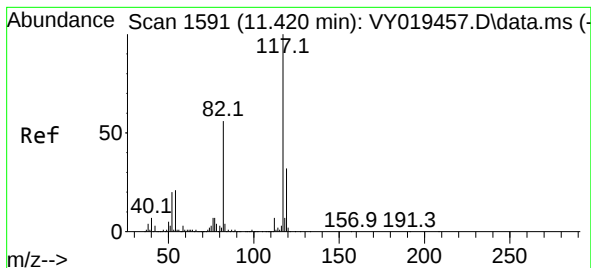
Tgt Ion: 98 Resp: 852981
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 49.748 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019653.D
Acq: 20 Sep 2024 18:07

Tgt Ion: 95 Resp: 292483
Ion Ratio Lower Upper
95 100
174 77.4 0.0 175.6
176 73.3 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. -0.006 min

Lab File: VY019653.D

Acq: 20 Sep 2024 18:07

Instrument :

MSVOA_Y

ClientSampleId :

PL-01-09192024

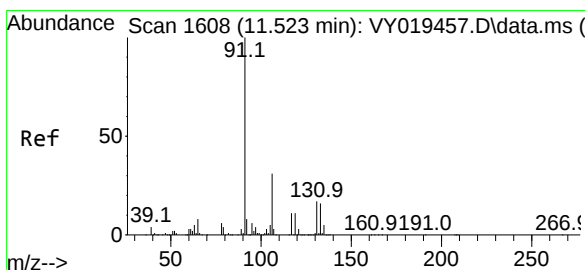
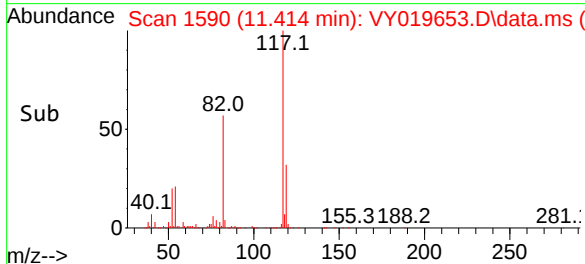
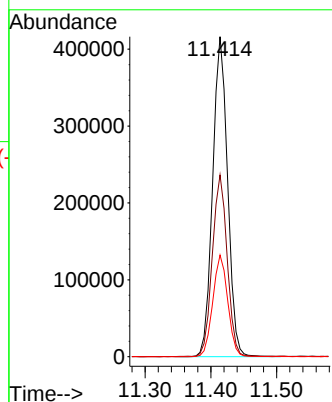
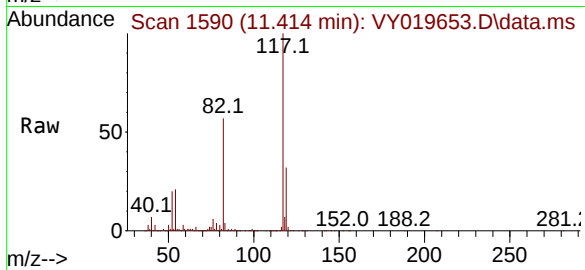
Tgt Ion:117 Resp: 657774

Ion Ratio Lower Upper

117 100

82 56.7 42.4 63.6

119 31.7 25.9 38.9



#67

Ethyl Benzene

Concen: 2.467 ug/l

RT: 11.518 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY019653.D

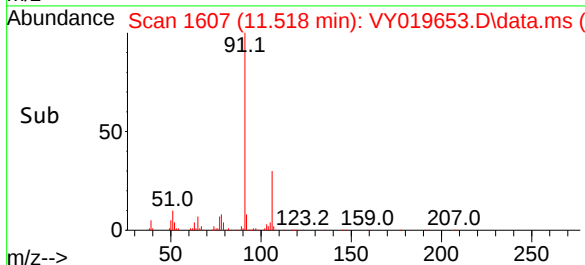
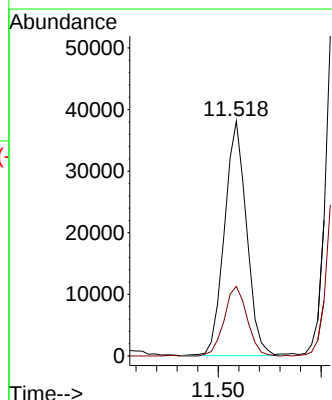
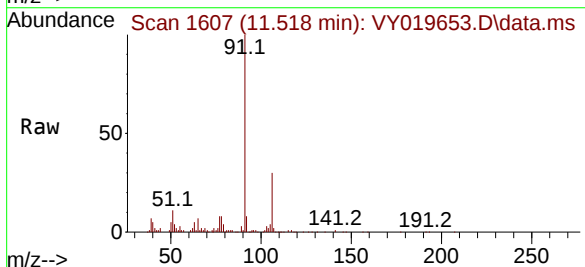
Acq: 20 Sep 2024 18:07

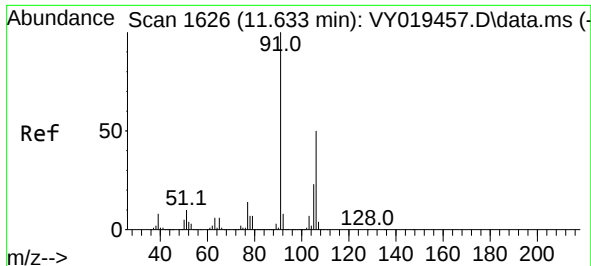
Tgt Ion: 91 Resp: 56720

Ion Ratio Lower Upper

91 100

106 29.7 24.5 36.7

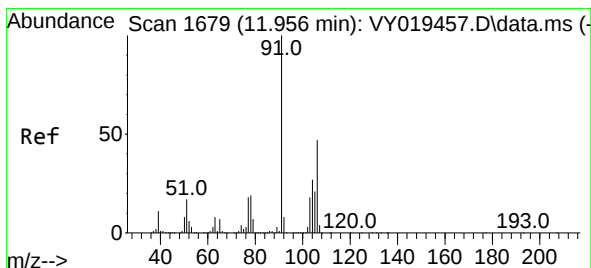
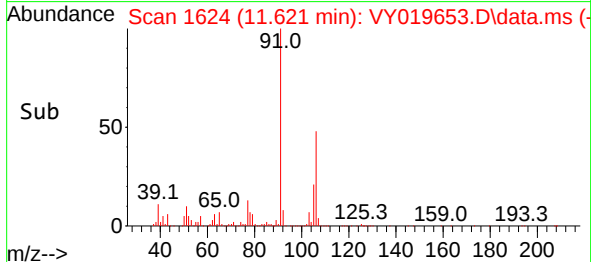
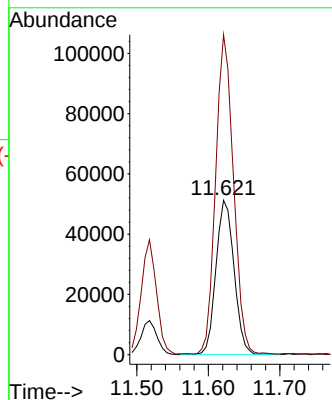
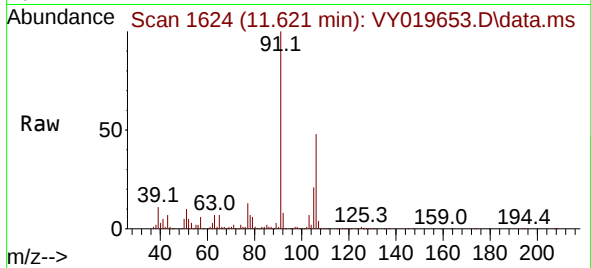




#68
m/p-Xylenes
Concen: 10.383 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.012 min
Lab File: VY019653.D
Acq: 20 Sep 2024 18:07

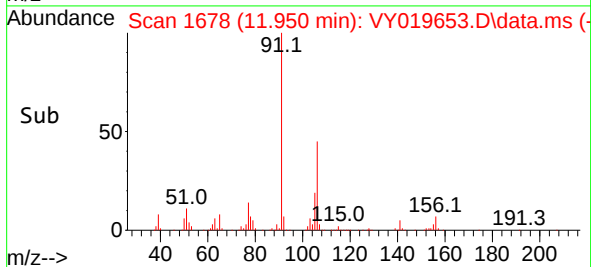
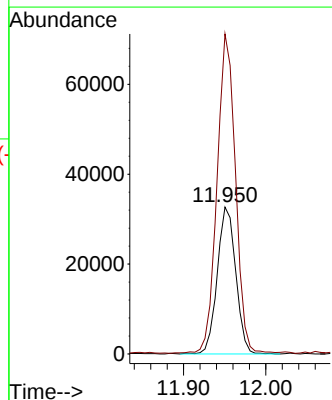
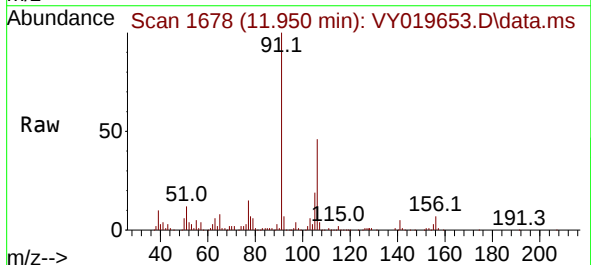
Instrument :
MSVOA_Y
ClientSampleId :
PL-01-09192024

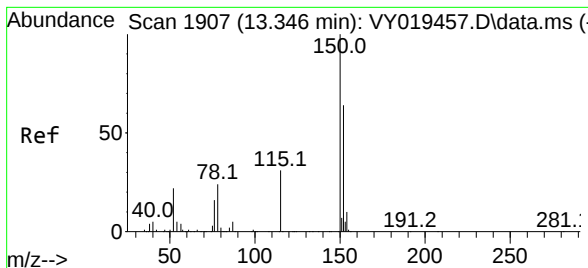
Tgt Ion:106 Resp: 90264
Ion Ratio Lower Upper
106 100
91 203.7 156.0 234.0



#69
o-Xylene
Concen: 6.021 ug/l
RT: 11.950 min Scan# 1678
Delta R.T. -0.006 min
Lab File: VY019653.D
Acq: 20 Sep 2024 18:07

Tgt Ion:106 Resp: 51190
Ion Ratio Lower Upper
106 100
91 216.4 103.6 310.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019653.D

Acq: 20 Sep 2024 18:07

Instrument :

MSVOA_Y

ClientSampleId :

PL-01-09192024

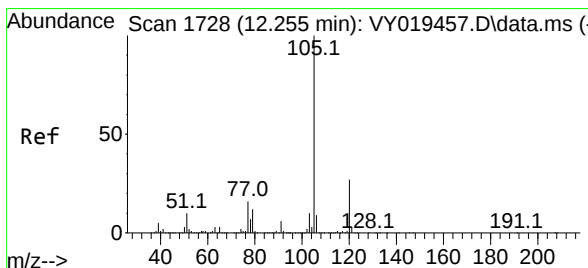
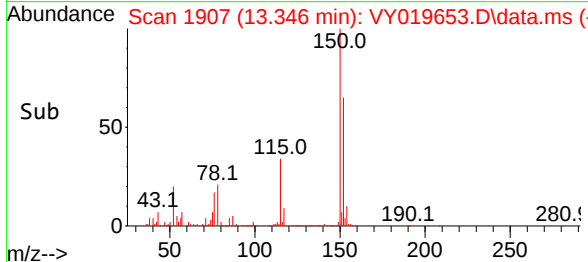
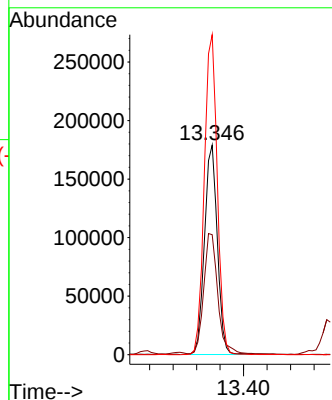
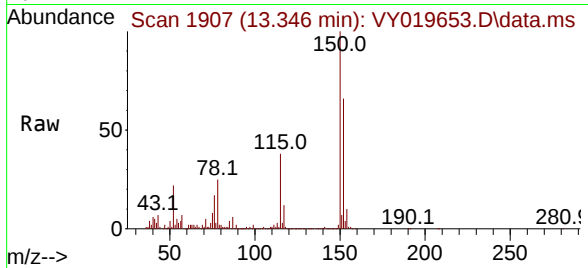
Tgt Ion:152 Resp: 272471

Ion Ratio Lower Upper

152 100

115 63.6 28.2 84.7

150 153.7 0.0 345.6



#73

Isopropylbenzene

Concen: 1.375 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.000 min

Lab File: VY019653.D

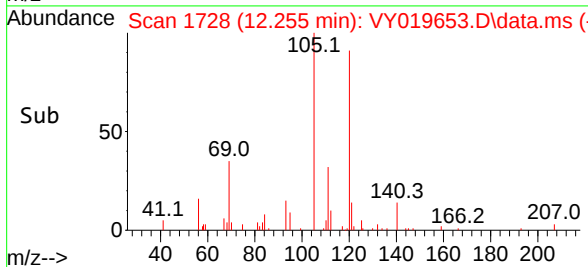
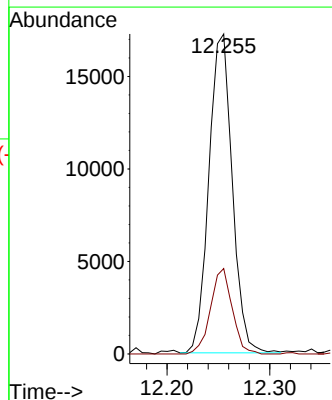
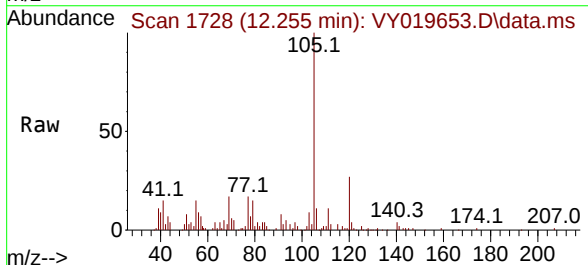
Acq: 20 Sep 2024 18:07

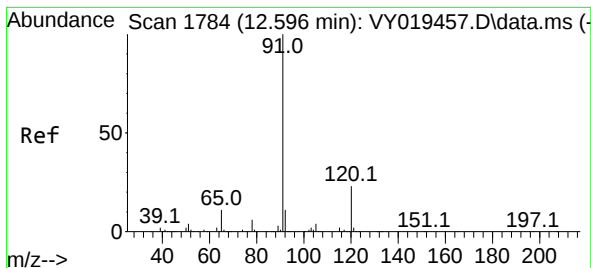
Tgt Ion:105 Resp: 27186

Ion Ratio Lower Upper

105 100

120 24.8 13.4 40.1





#78

n-propylbenzene

Concen: 4.476 ug/l

RT: 12.590 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY019653.D

Acq: 20 Sep 2024 18:07

Instrument :

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ClientSampleId :

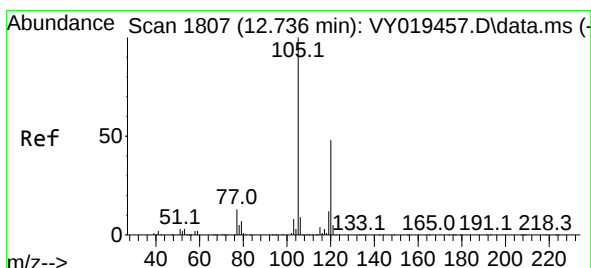
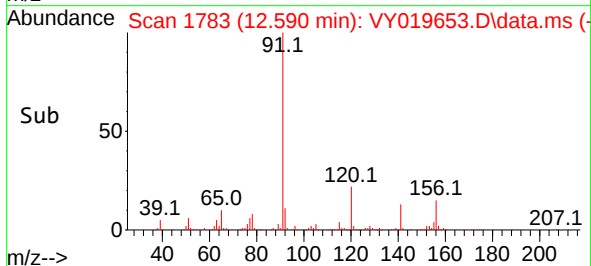
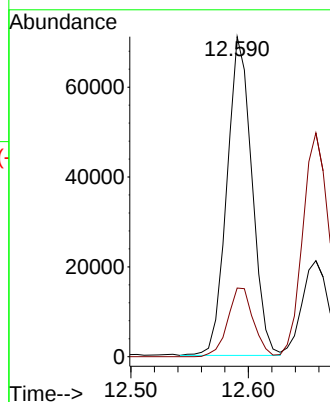
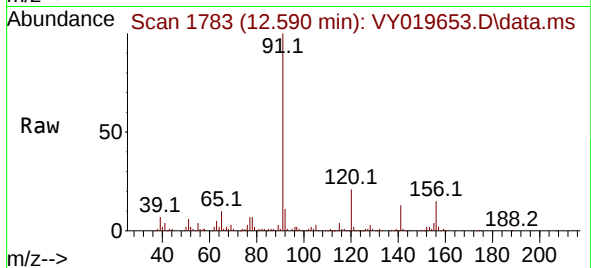
PL-01-09192024

Tgt Ion: 91 Resp: 104861

Ion Ratio Lower Upper

91 100

120 22.1 11.5 34.4



#80

1,3,5-Trimethylbenzene

Concen: 7.282 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VY019653.D

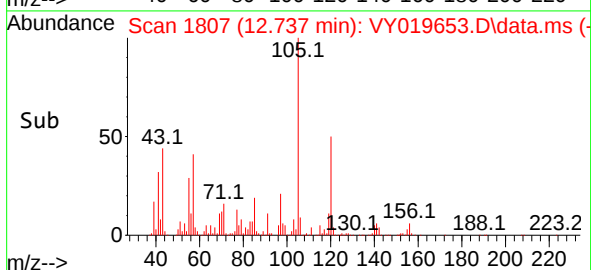
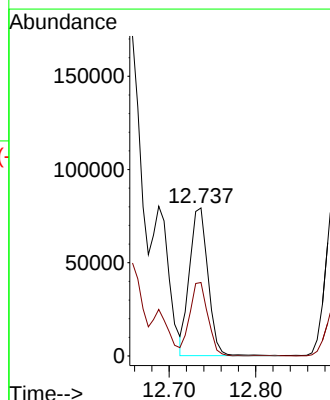
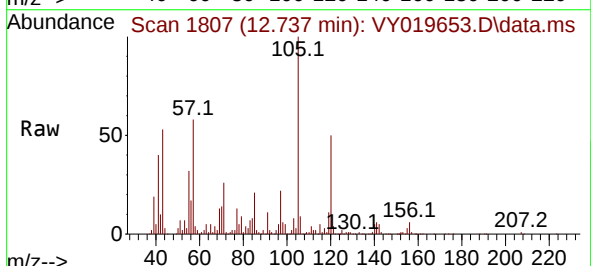
Acq: 20 Sep 2024 18:07

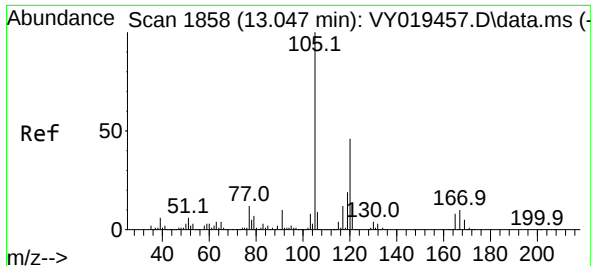
Tgt Ion:105 Resp: 117012

Ion Ratio Lower Upper

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120 48.7 25.1 75.2

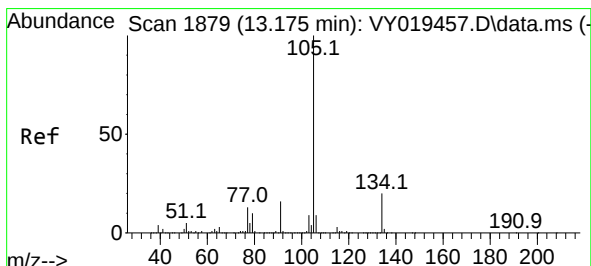
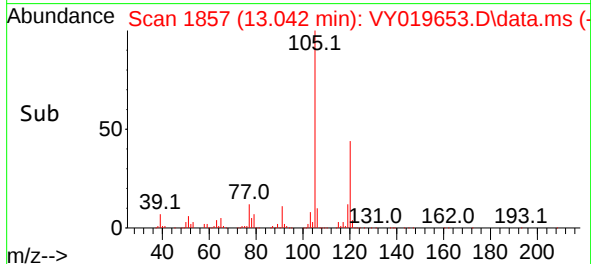
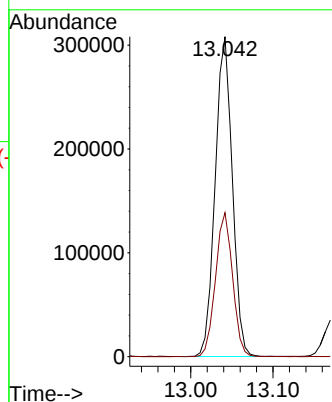
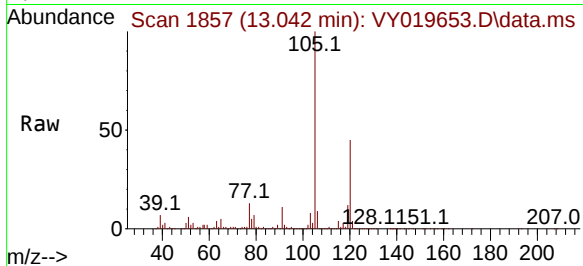




#84
1,2,4-Trimethylbenzene
Concen: 28.107 ug/l
RT: 13.042 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019653.D
Acq: 20 Sep 2024 18:07

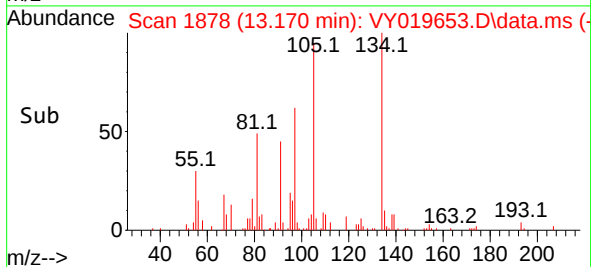
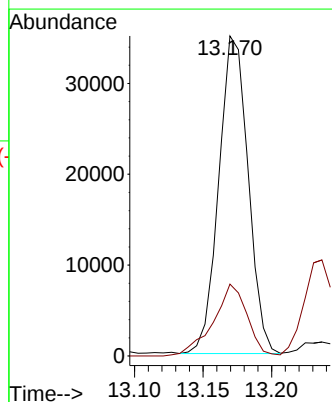
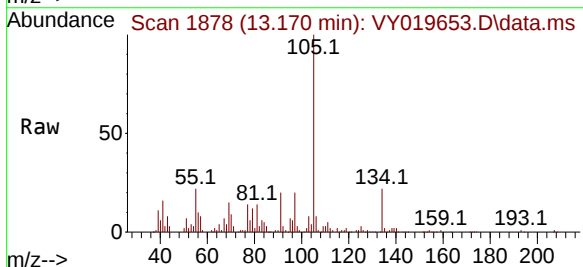
Instrument :
MSVOA_Y
ClientSampleId :
PL-01-09192024

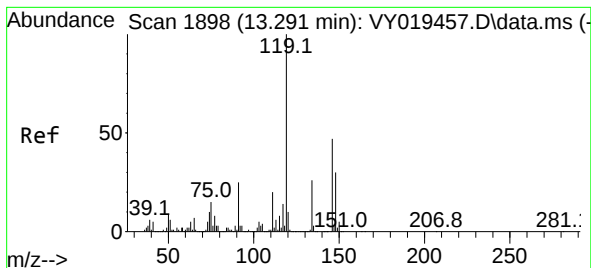
Tgt Ion:105 Resp: 447087
Ion Ratio Lower Upper
105 100
120 44.9 23.2 69.6



#85
sec-Butylbenzene
Concen: 2.463 ug/l
RT: 13.170 min Scan# 1878
Delta R.T. -0.006 min
Lab File: VY019653.D
Acq: 20 Sep 2024 18:07

Tgt Ion:105 Resp: 52063
Ion Ratio Lower Upper
105 100
134 26.1 10.1 30.1





#86

p-Isopropyltoluene

Concen: 1.728 ug/l

RT: 13.292 min Scan# 119

Delta R.T. 0.000 min

Lab File: VY019653.D

Acq: 20 Sep 2024 18:07

Instrument :

MSVOA_Y

ClientSampleId :

PL-01-09192024

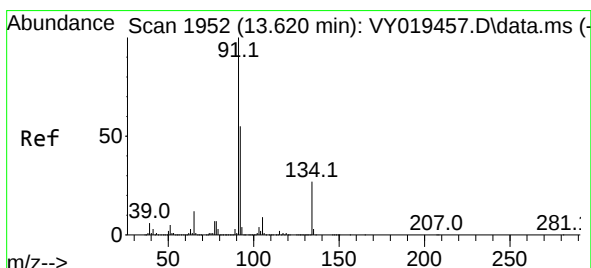
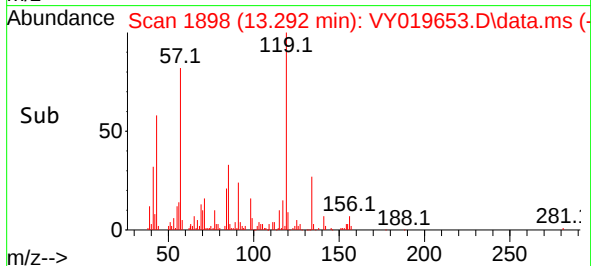
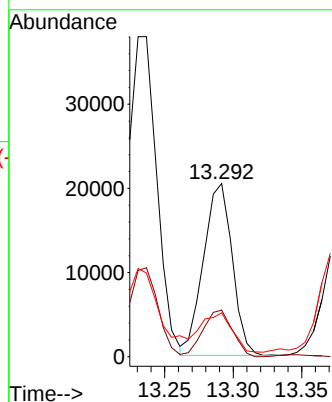
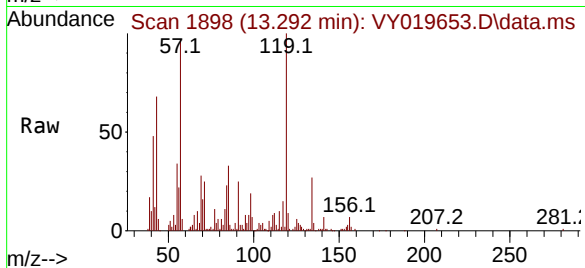
Tgt Ion:119 Resp: 29873

Ion Ratio Lower Upper

119 100

134 27.7 13.1 39.3

91 24.4 10.7 32.1



#89

n-Butylbenzene

Concen: 3.355 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY019653.D

Acq: 20 Sep 2024 18:07

Tgt Ion: 91 Resp: 55451

Ion Ratio Lower Upper

91 100

92 60.1 26.6 79.7

134 0.0 12.9 38.7#

