

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092024\
 Data File : VY019654.D
 Acq On : 20 Sep 2024 18:30
 Operator : SY/MD
 Sample : P4127-02
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Sep 20 23:53:52 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)

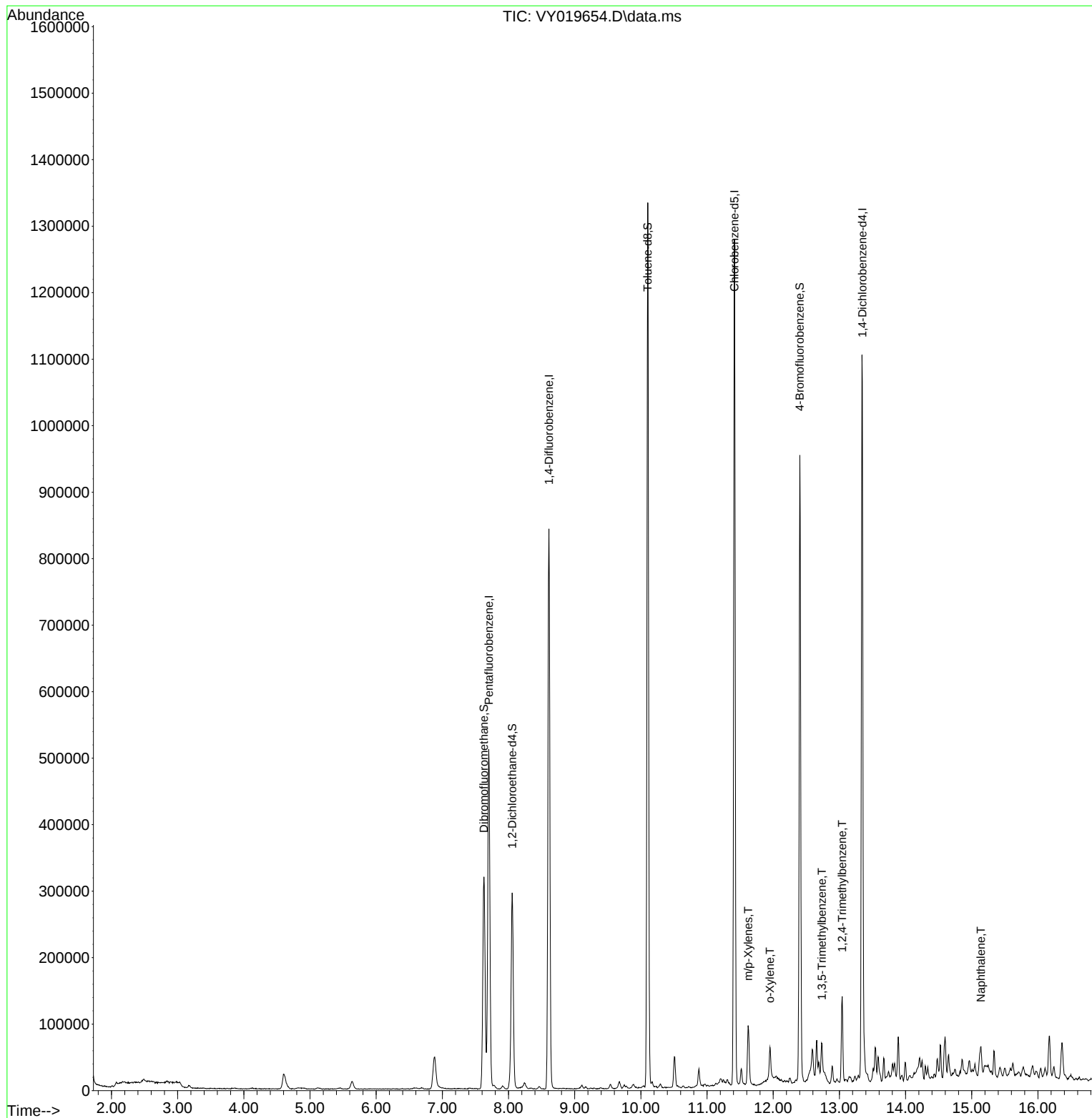
Internal Standards						
1) Pentafluorobenzene	7.701	168	382964	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.609	114	723850	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	655208	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	267870	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	227446	64.139	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.280%	
35) Dibromofluoromethane	7.628	113	230932	56.269	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.540%	
50) Toluene-d8	10.103	98	849936	55.990	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.980%	
62) 4-Bromofluorobenzene	12.401	95	291645	49.966	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 99.940%	
Target Compounds						
					Qvalue	
68) m/p-Xylenes	11.621	106	25290	2.921	ug/l	92
69) o-Xylene	11.950	106	11725	1.385	ug/l	95
80) 1,3,5-Trimethylbenzene	12.737	105	18045	1.142	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	69339	4.434	ug/l	97
95) Naphthalene	15.139	128	31812	3.495	ug/l #	96

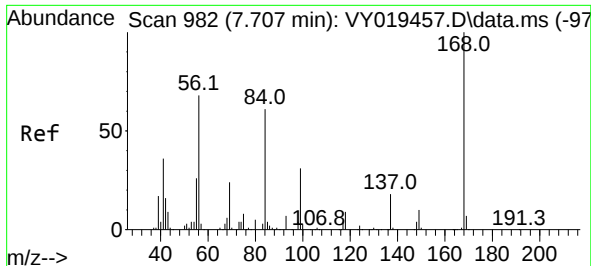
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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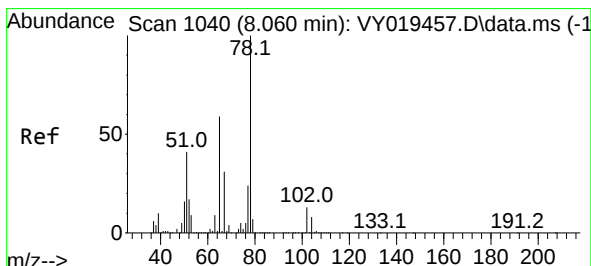
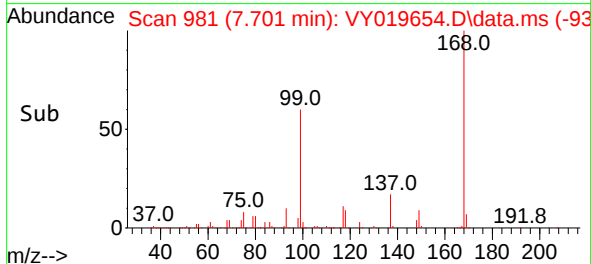
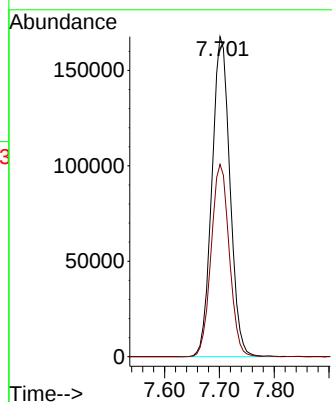
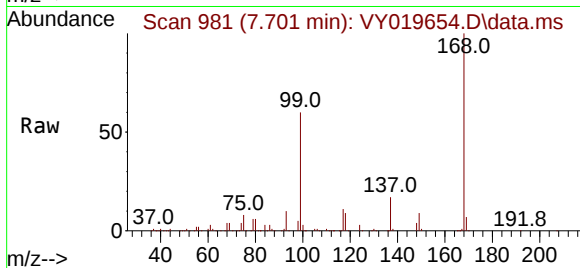




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019654.D
Acq: 20 Sep 2024 18:30

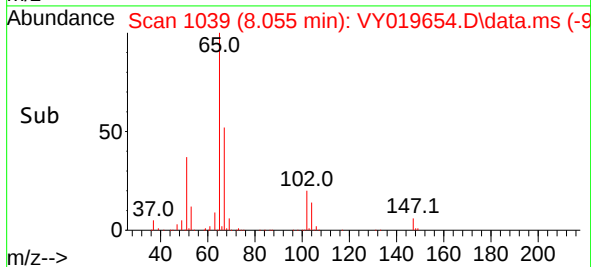
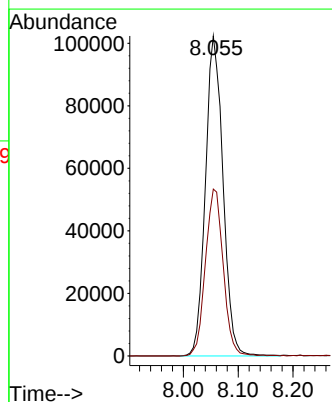
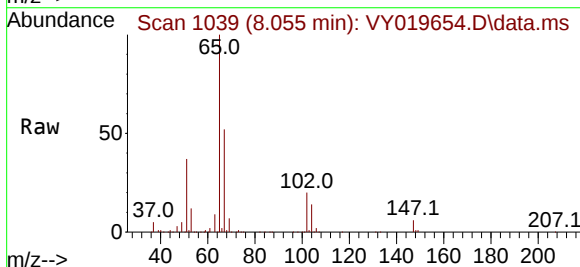
Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion:168 Resp: 382964
Ion Ratio Lower Upper
168 100
99 60.1 39.1 58.7#



#33
1,2-Dichloroethane-d4
Concen: 64.139 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY019654.D
Acq: 20 Sep 2024 18:30

Tgt Ion: 65 Resp: 227446
Ion Ratio Lower Upper
65 100
67 52.9 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: VY019654.D

Acq: 20 Sep 2024 18:30

Instrument :

MSVOA_Y

ClientSampleId :

VOC

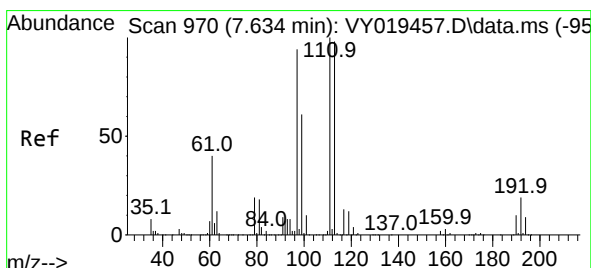
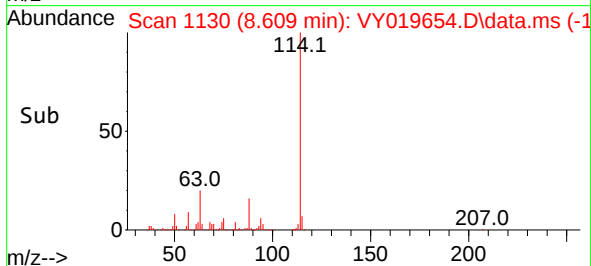
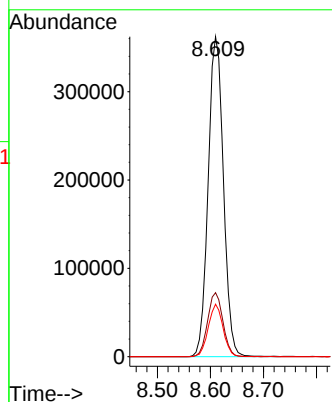
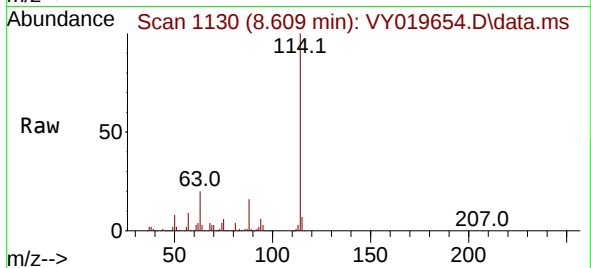
Tgt Ion:114 Resp: 723850

Ion Ratio Lower Upper

114 100

63 20.0 0.0 35.0

88 16.4 0.0 27.2



#35

Dibromofluoromethane

Concen: 56.269 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY019654.D

Acq: 20 Sep 2024 18:30

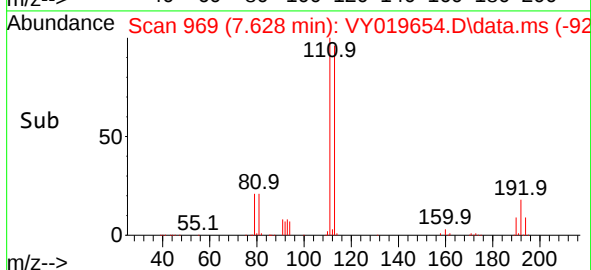
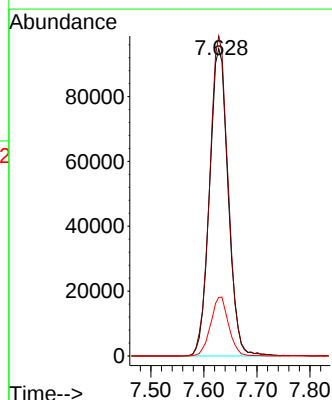
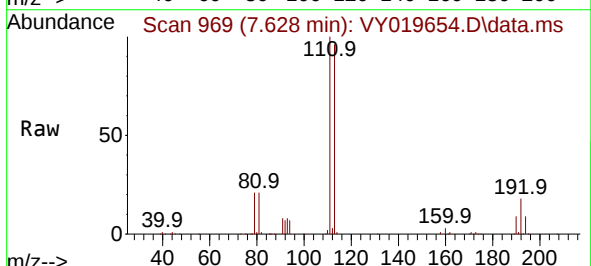
Tgt Ion:113 Resp: 230932

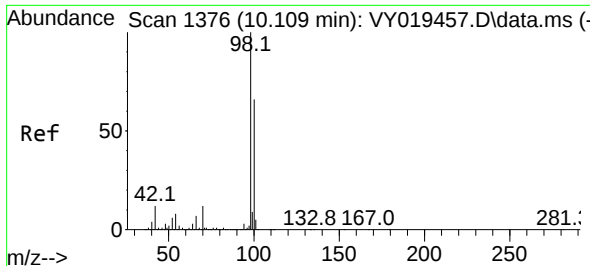
Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.4

192 18.6 15.9 23.9

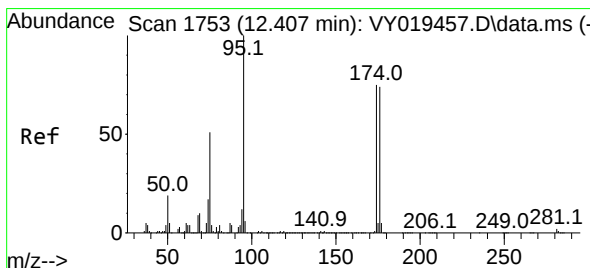
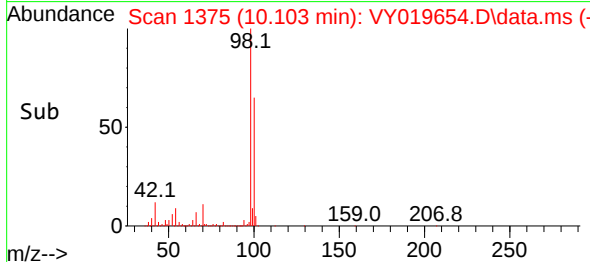
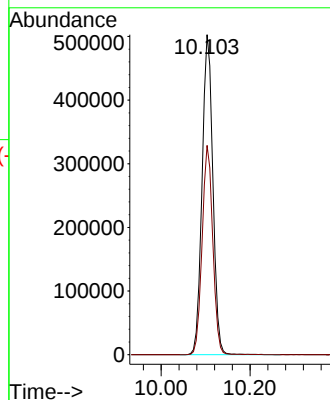
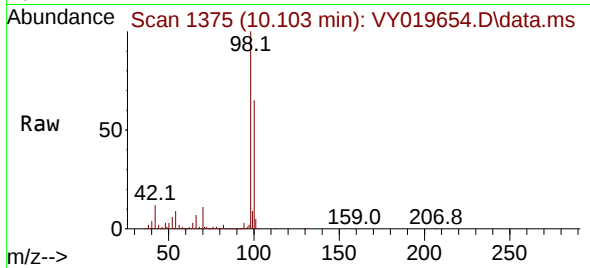




#50
Toluene-d8
Concen: 55.990 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019654.D
Acq: 20 Sep 2024 18:30

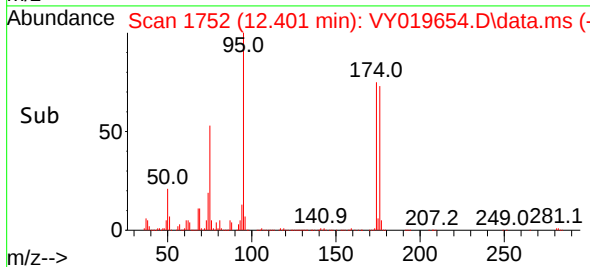
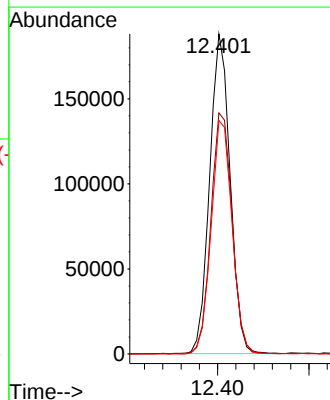
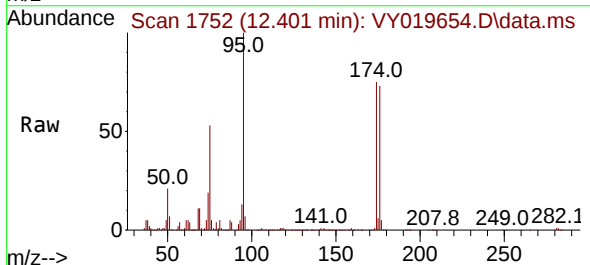
Instrument :
MSVOA_Y
ClientSampleId :
VOC

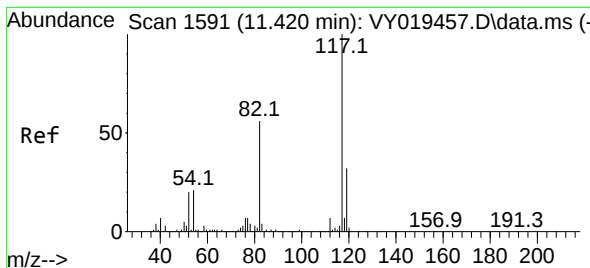
Tgt Ion: 98 Resp: 849936
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 49.966 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019654.D
Acq: 20 Sep 2024 18:30

Tgt Ion: 95 Resp: 291645
Ion Ratio Lower Upper
95 100
174 78.5 0.0 175.6
176 74.8 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY019654.D

Acq: 20 Sep 2024 18:30

Instrument :

MSVOA_Y

ClientSampleId :

VOC

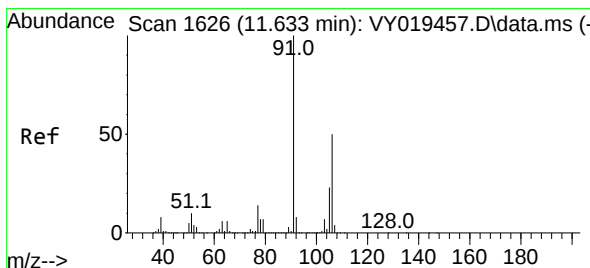
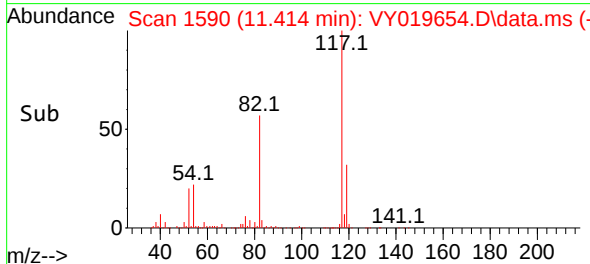
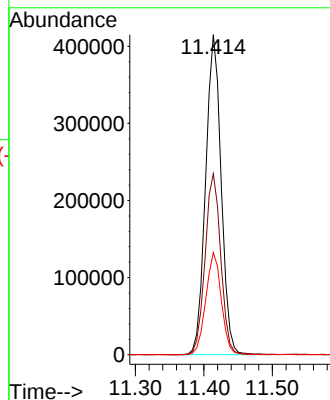
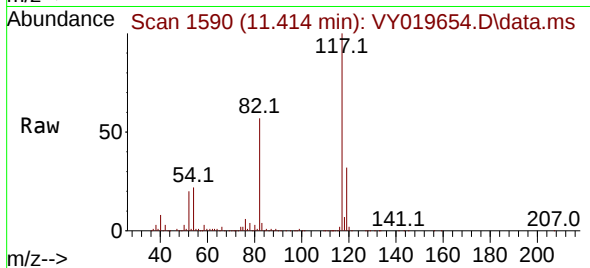
Tgt Ion:117 Resp: 655208

Ion Ratio Lower Upper

117 100

82 56.5 42.4 63.6

119 31.9 25.9 38.9



#68

m/p-Xylenes

Concen: 2.921 ug/l

RT: 11.621 min Scan# 1624

Delta R.T. -0.012 min

Lab File: VY019654.D

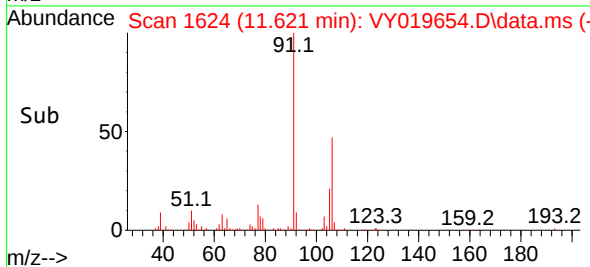
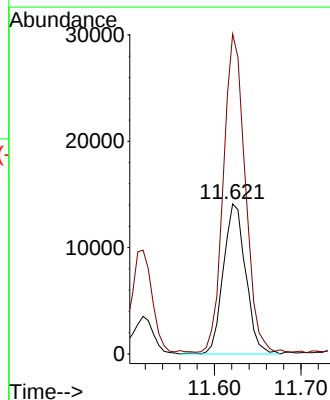
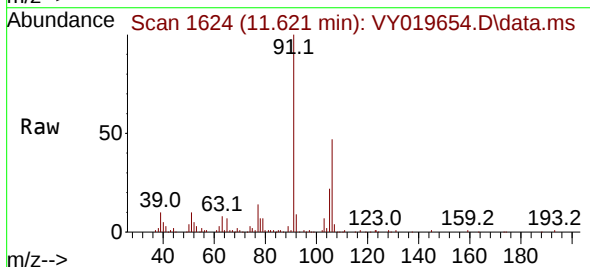
Acq: 20 Sep 2024 18:30

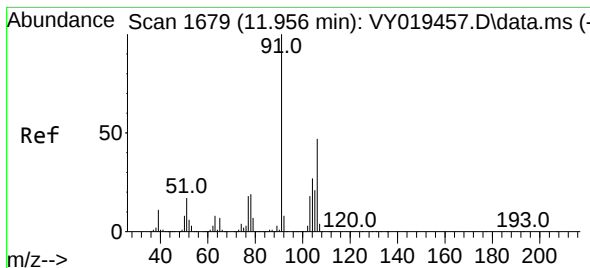
Tgt Ion:106 Resp: 25290

Ion Ratio Lower Upper

106 100

91 206.5 156.0 234.0





#69

o-Xylene

Concen: 1.385 ug/l

RT: 11.950 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY019654.D

Acq: 20 Sep 2024 18:30

Instrument :

MSVOA_Y

ClientSampleId :

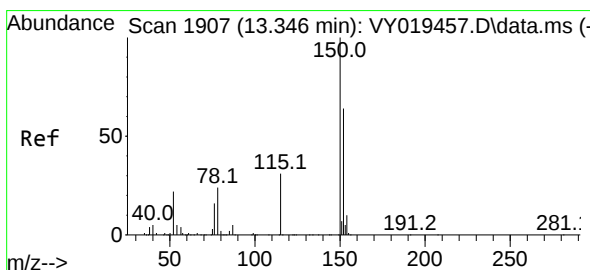
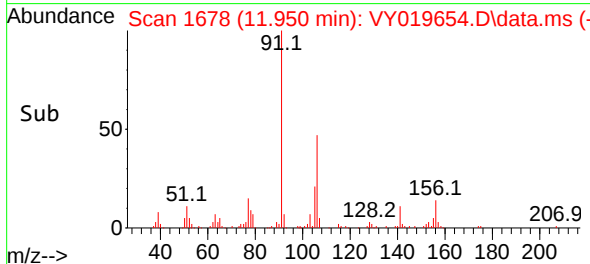
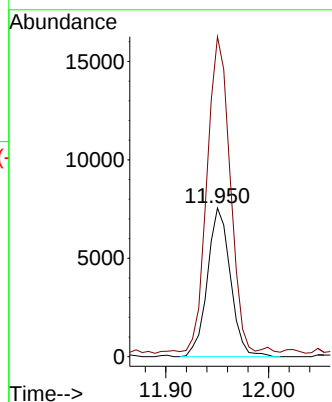
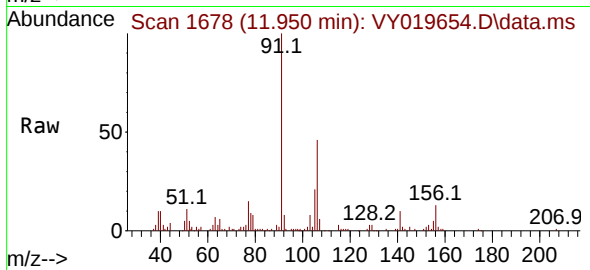
VOC

Tgt Ion:106 Resp: 11725

Ion Ratio Lower Upper

106 100

91 215.6 103.6 310.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019654.D

Acq: 20 Sep 2024 18:30

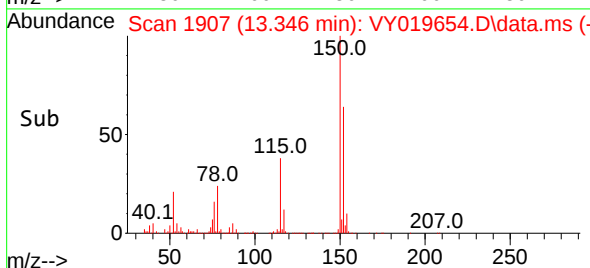
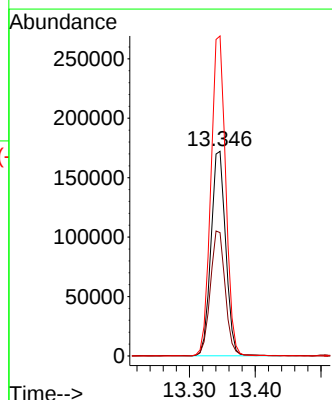
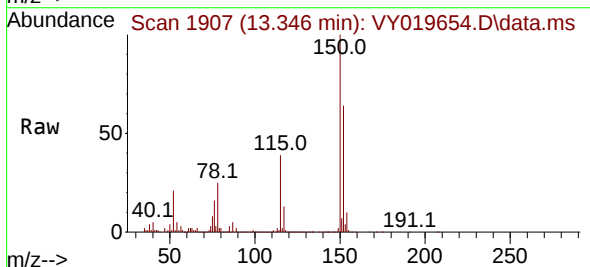
Tgt Ion:152 Resp: 267870

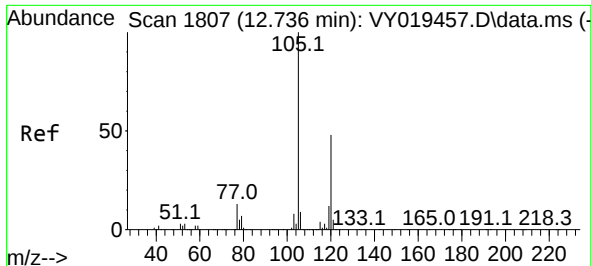
Ion Ratio Lower Upper

152 100

115 61.9 28.2 84.7

150 157.6 0.0 345.6

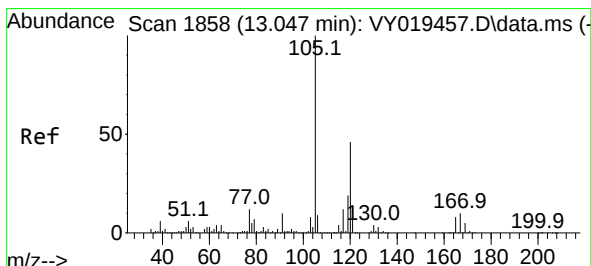
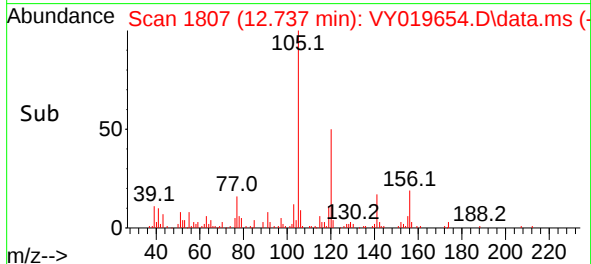
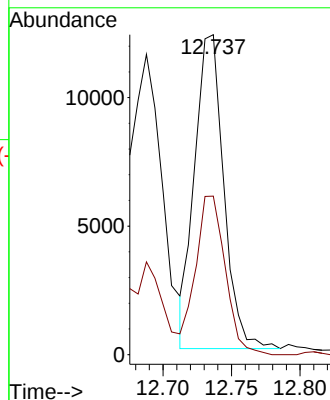
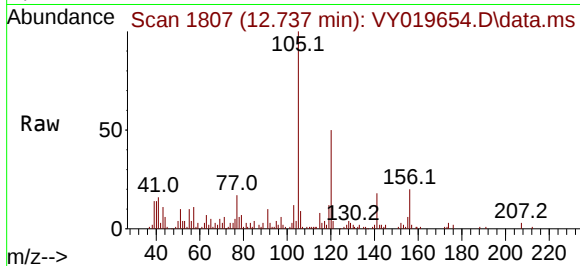




#80
1,3,5-Trimethylbenzene
Concen: 1.142 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY019654.D
Acq: 20 Sep 2024 18:30

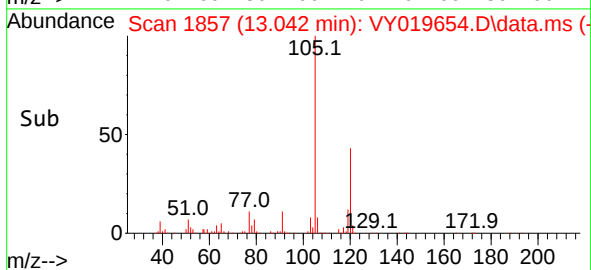
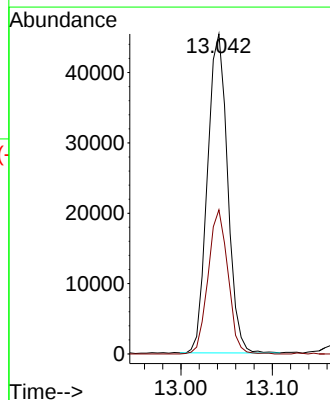
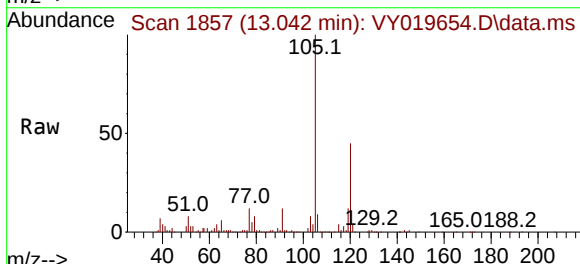
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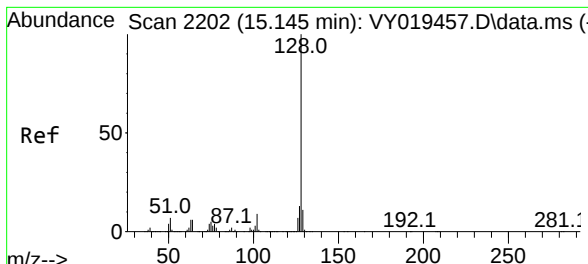
Tgt Ion:105 Resp: 18045
Ion Ratio Lower Upper
105 100
120 51.4 25.1 75.2



#84
1,2,4-Trimethylbenzene
Concen: 4.434 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VY019654.D
Acq: 20 Sep 2024 18:30

Tgt Ion:105 Resp: 69339
Ion Ratio Lower Upper
105 100
120 44.5 23.2 69.6





#95
 Naphthalene
 Concen: 3.495 ug/l
 RT: 15.139 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VY019654.D
 Acq: 20 Sep 2024 18:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Tgt Ion:	128	Resp:	31812
Ion Ratio	Lower	Upper	
128	100		
127	14.6	10.6	16.0
129	13.0	8.6	13.0#

