

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100424\
 Data File : VY019796.D
 Acq On : 04 Oct 2024 13:44
 Operator : SY/MD
 Sample : P4277-01
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-03-10022024

Quant Time: Oct 04 23:31:10 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)

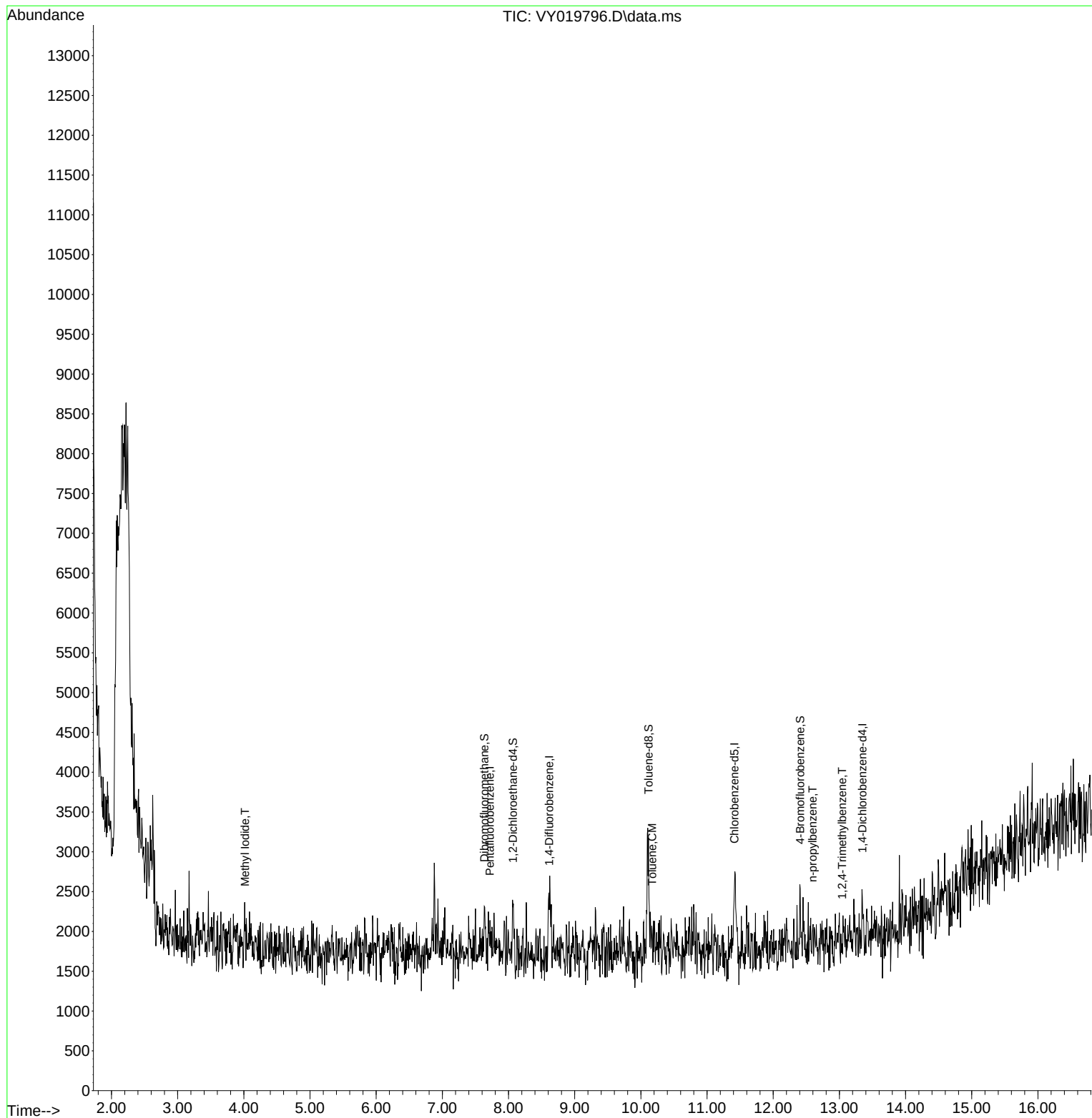
Internal Standards						
1) Pentafluorobenzene	7.719	168	511	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.616	114	850	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	723	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	105	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	416	87.917	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	175.840%#
35) Dibromofluoromethane	7.634	113	319	66.192	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	132.380%
50) Toluene-d8	10.115	98	1184	66.421	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	132.840%
62) 4-Bromofluorobenzene	12.408	95	184	26.845	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	53.700%
Target Compounds						
						Qvalue
10) Methyl Iodide	4.019	142	365	60.390	ug/l #	74
52) Toluene	10.170	92	83	6.389	ug/l #	1
78) n-propylbenzene	12.597	91	206	22.816	ug/l	94
84) 1,2,4-Trimethylbenzene	13.042	105	82	13.377	ug/l	100

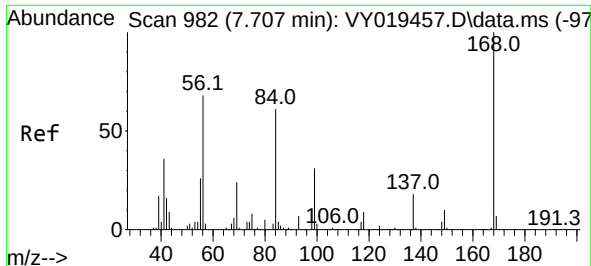
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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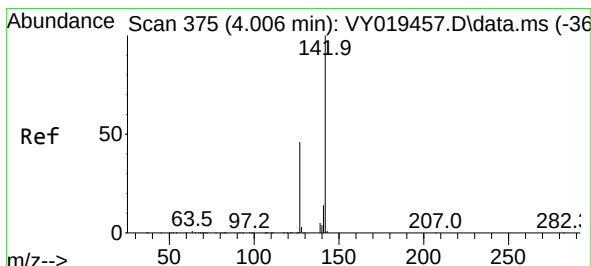
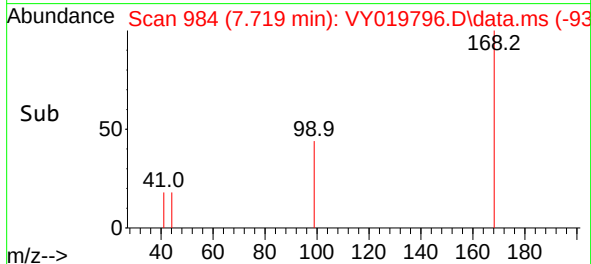
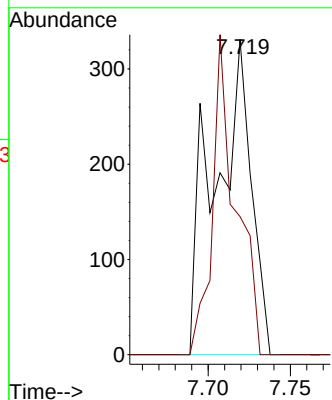
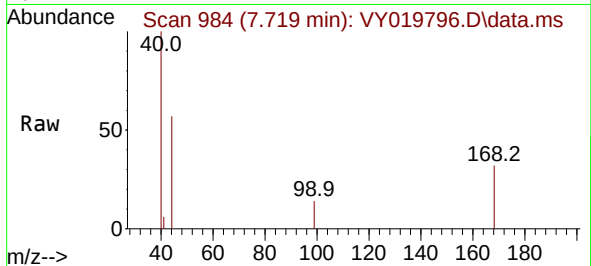




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.012 min
Lab File: VY019796.D
Acq: 04 Oct 2024 13:44

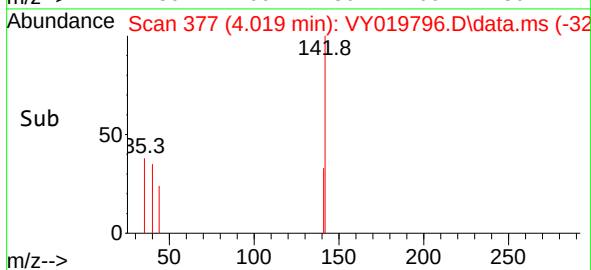
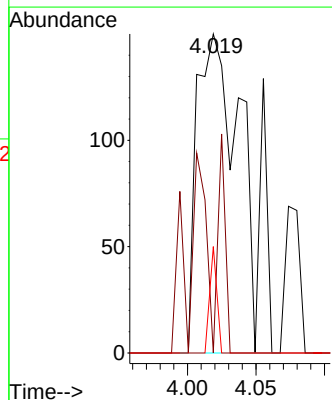
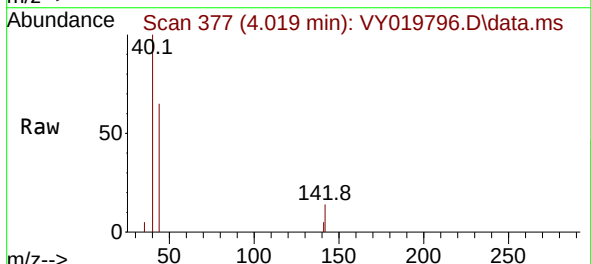
Instrument :
MSVOA_Y
ClientSampleId :
BU-03-10022024

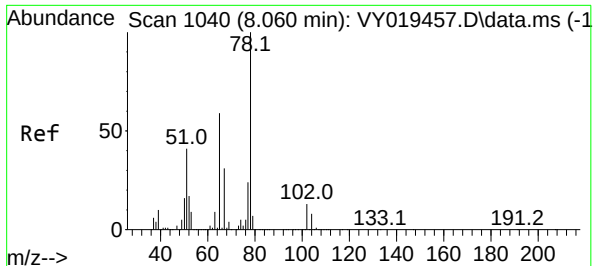
Tgt Ion:168 Resp: 511
Ion Ratio Lower Upper
168 100
99 43.8 39.1 58.7



#10
Methyl Iodide
Concen: 60.390 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.013 min
Lab File: VY019796.D
Acq: 04 Oct 2024 13:44

Tgt Ion:142 Resp: 365
Ion Ratio Lower Upper
142 100
127 24.4 32.8 49.2#
141 4.9 11.4 17.2#





#33

1,2-Dichloroethane-d4

Concen: 87.917 ug/l

RT: 8.067 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VY019796.D

Acq: 04 Oct 2024 13:44

Instrument :

MSVOA_Y

ClientSampleId :

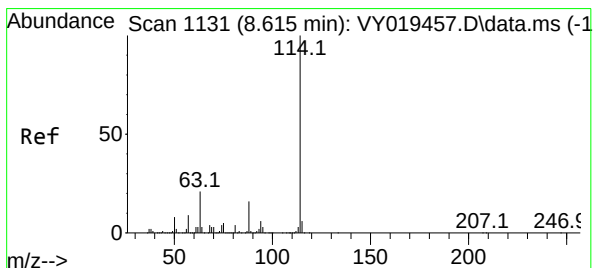
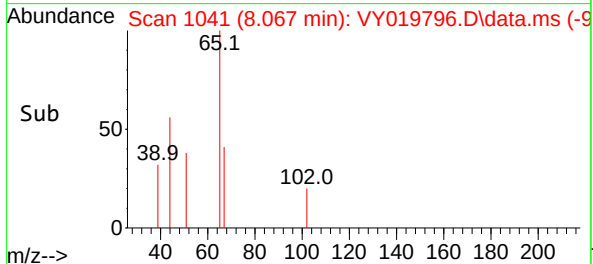
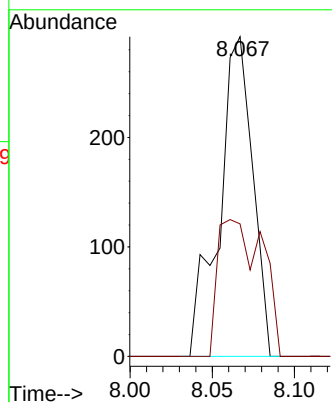
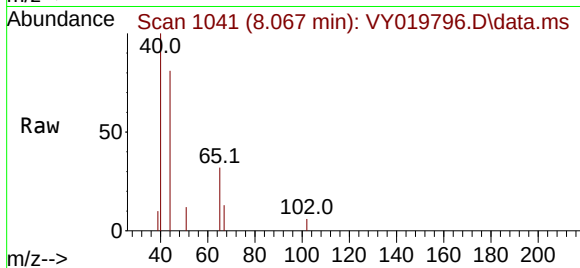
BU-03-10022024

Tgt Ion: 65 Resp: 416

Ion Ratio Lower Upper

65 100

67 56.7 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019796.D

Acq: 04 Oct 2024 13:44

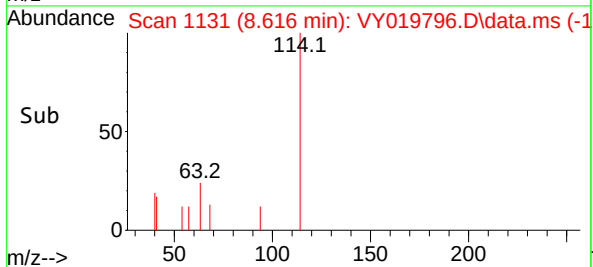
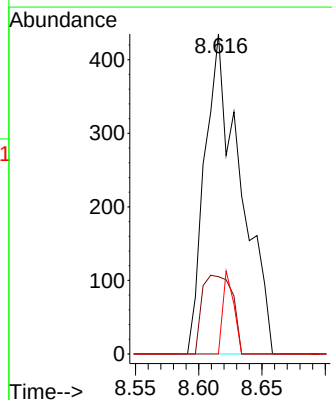
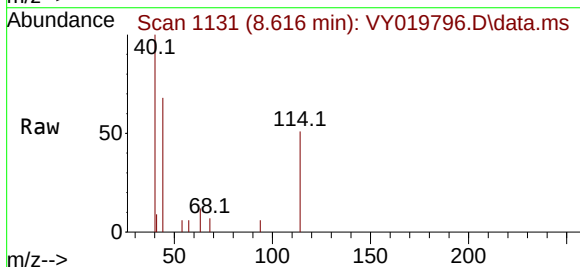
Tgt Ion: 114 Resp: 850

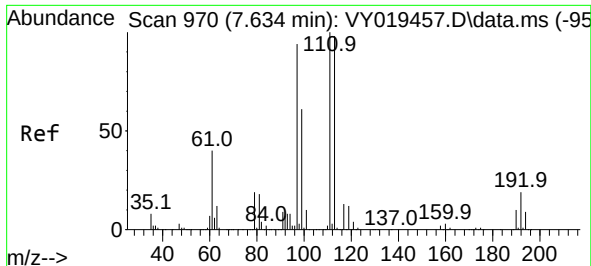
Ion Ratio Lower Upper

114 100

63 24.1 0.0 35.0

88 0.0 0.0 27.2

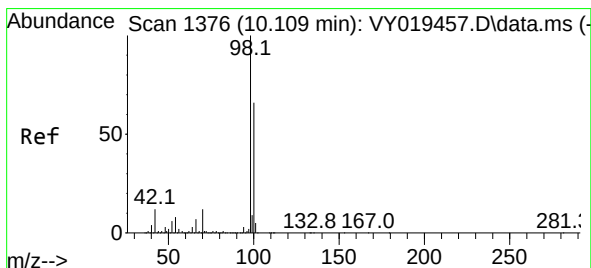
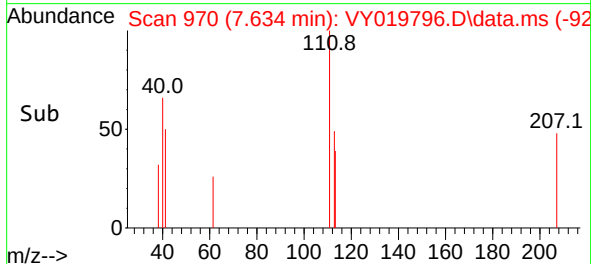
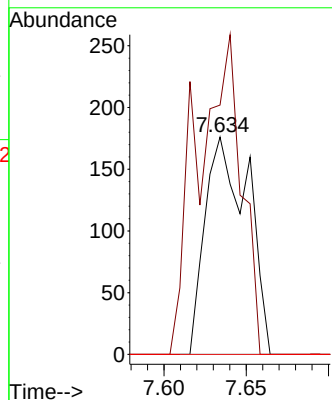
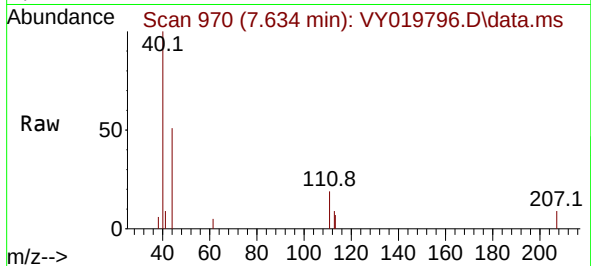




#35
 Dibromofluoromethane
 Concen: 66.192 ug/l
 RT: 7.634 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VY019796.D
 Acq: 04 Oct 2024 13:44

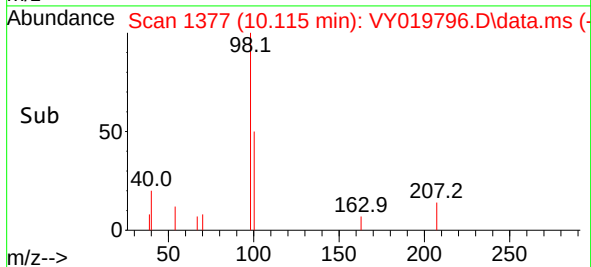
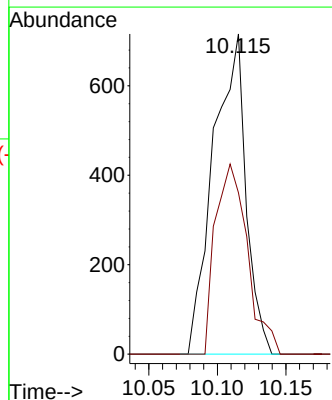
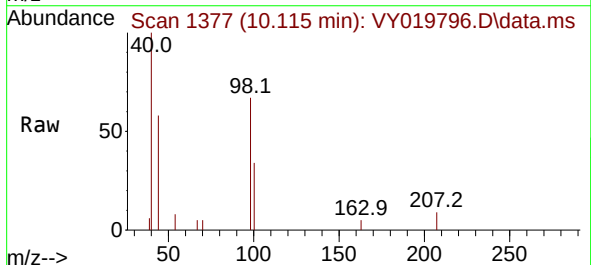
Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-03-10022024

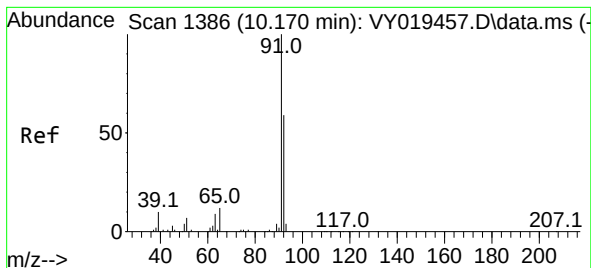
Tgt Ion:113 Resp: 319
 Ion Ratio Lower Upper
 113 100
 111 149.8 82.2 123.4#
 192 0.0 15.9 23.9#



#50
 Toluene-d8
 Concen: 66.421 ug/l
 RT: 10.115 min Scan# 1377
 Delta R.T. 0.006 min
 Lab File: VY019796.D
 Acq: 04 Oct 2024 13:44

Tgt Ion: 98 Resp: 1184
 Ion Ratio Lower Upper
 98 100
 100 58.4 52.0 78.0





#52

Toluene

Concen: 6.389 ug/l

RT: 10.170 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019796.D

Acq: 04 Oct 2024 13:44

Instrument :

MSVOA_Y

ClientSampleId :

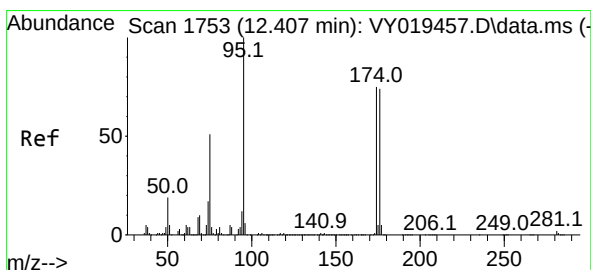
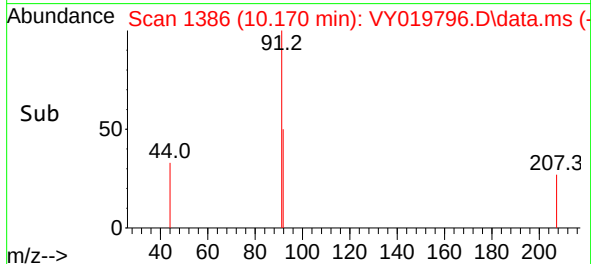
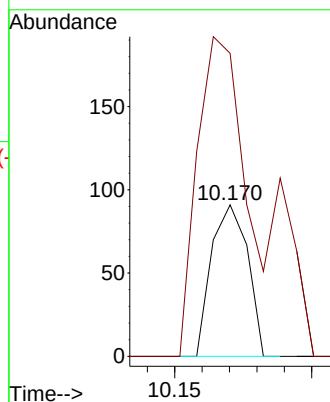
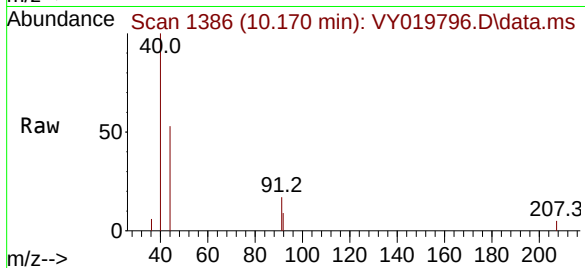
BU-03-10022024

Tgt Ion: 92 Resp: 83

Ion Ratio Lower Upper

92 100

91 356.6 139.0 208.6#



#62

4-Bromofluorobenzene

Concen: 26.845 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY019796.D

Acq: 04 Oct 2024 13:44

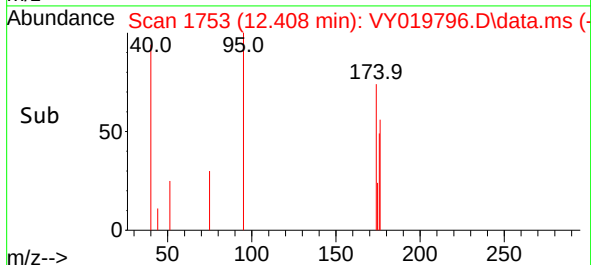
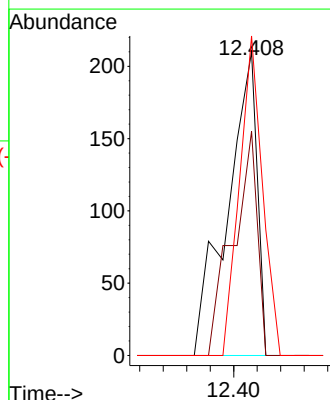
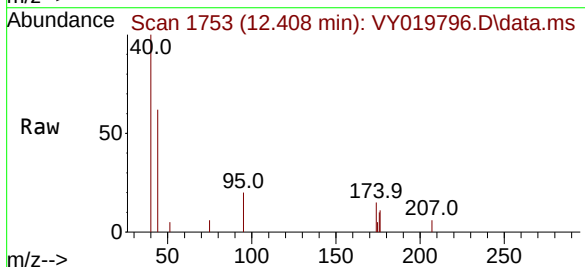
Tgt Ion: 95 Resp: 184

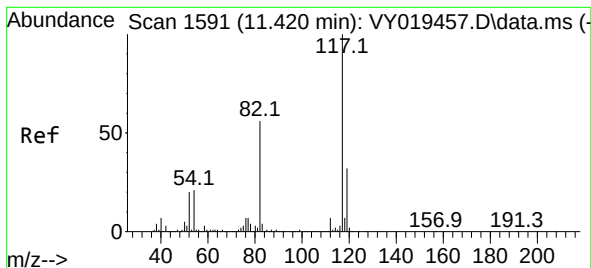
Ion Ratio Lower Upper

95 100

174 60.9 0.0 175.6

176 81.5 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019796.D

Acq: 04 Oct 2024 13:44

Instrument :

MSVOA_Y

ClientSampleId :

BU-03-10022024

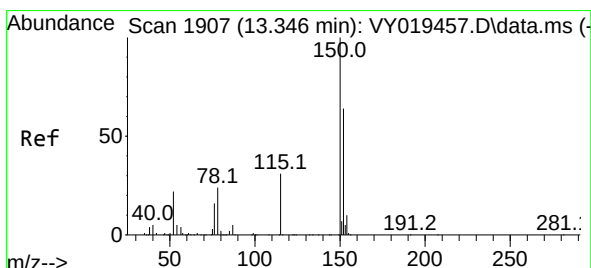
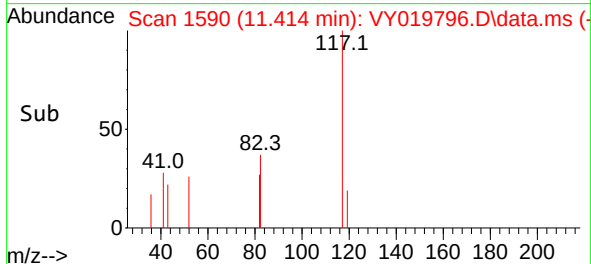
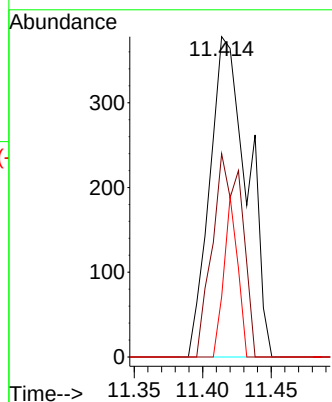
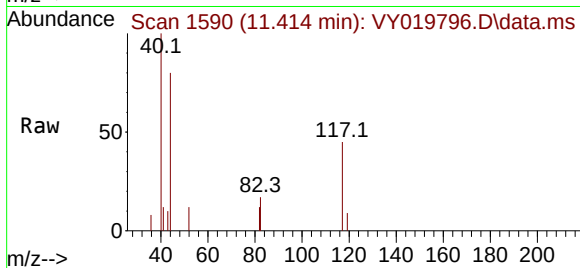
Tgt Ion:117 Resp: 723

Ion Ratio Lower Upper

117 100

82 63.5 42.4 63.6

119 18.8 25.9 38.9#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019796.D

Acq: 04 Oct 2024 13:44

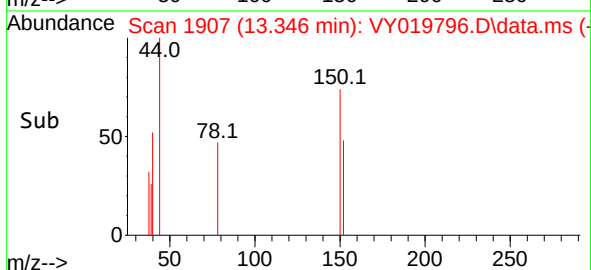
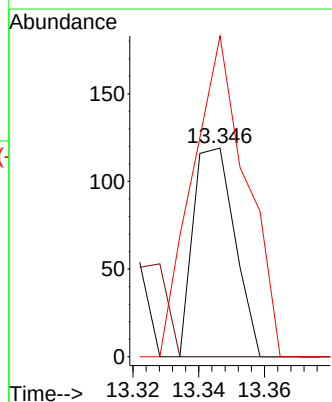
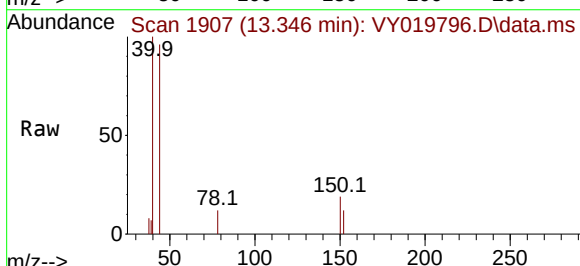
Tgt Ion:152 Resp: 105

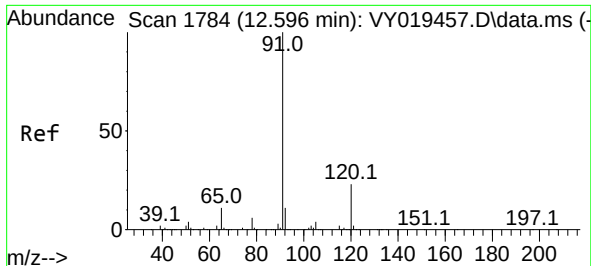
Ion Ratio Lower Upper

152 100

115 0.0 28.2 84.7#

150 198.1 0.0 345.6

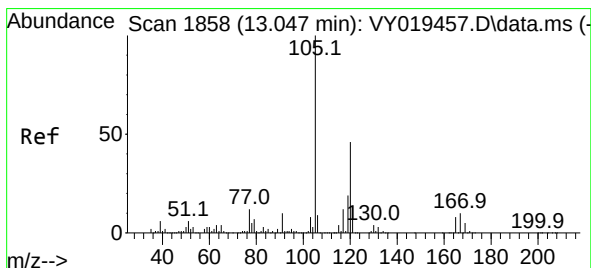
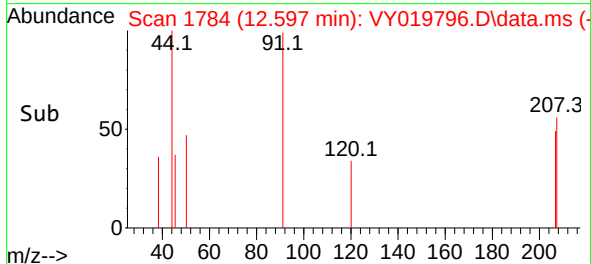
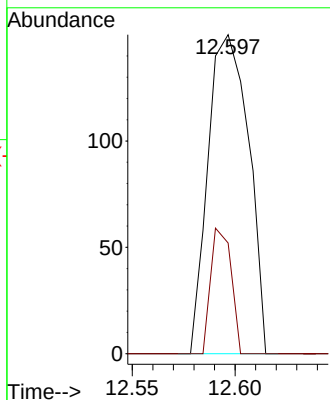
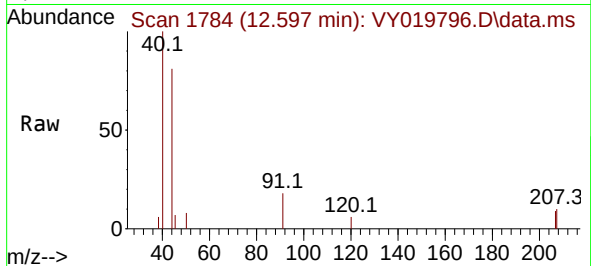




#78
n-propylbenzene
Concen: 22.816 ug/l
RT: 12.597 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019796.D
Acq: 04 Oct 2024 13:44

Instrument :
MSVOA_Y
ClientSampleId :
BU-03-10022024

Tgt Ion: 91 Resp: 206
Ion Ratio Lower Upper
91 100
120 19.9 11.5 34.4



#84
1,2,4-Trimethylbenzene
Concen: 13.377 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VY019796.D
Acq: 04 Oct 2024 13:44

Tgt Ion: 105 Resp: 82
Ion Ratio Lower Upper
105 100
120 46.3 23.2 69.6

