

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091324\
 Data File : VY019549.D
 Acq On : 13 Sep 2024 19:06
 Operator : SY/MD
 Sample : P4000-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-02-09132024

Quant Time: Sep 13 23:37:08 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	347954	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.609	114	670394	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	597781	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	221796	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	207795	64.493	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.980%	
35) Dibromofluoromethane	7.628	113	213896	56.273	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.540%	
50) Toluene-d8	10.103	98	801934	57.040	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 114.080%	
62) 4-Bromofluorobenzene	12.401	95	261477	48.370	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 96.740%	

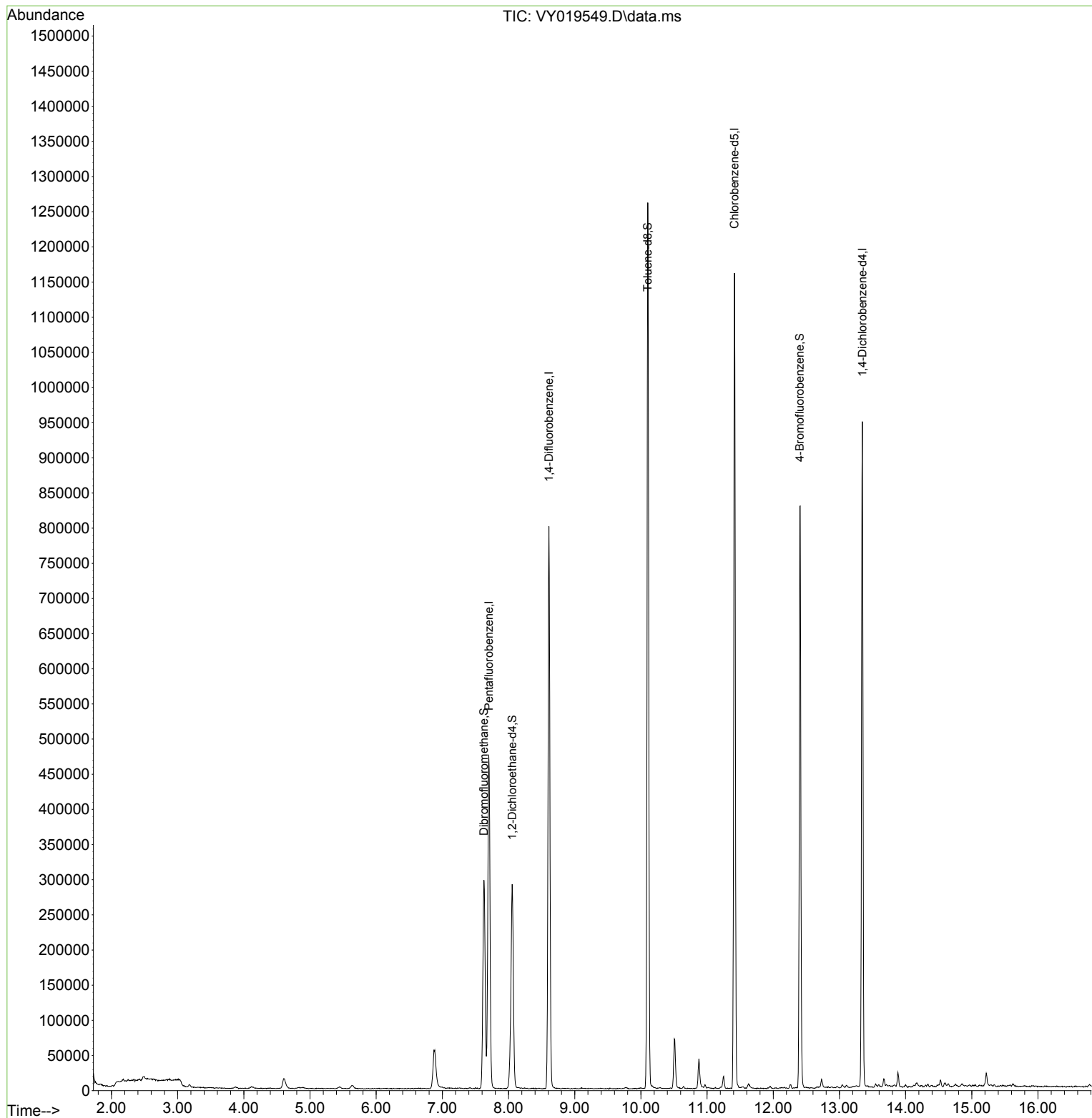
Target Compounds	Qvalue

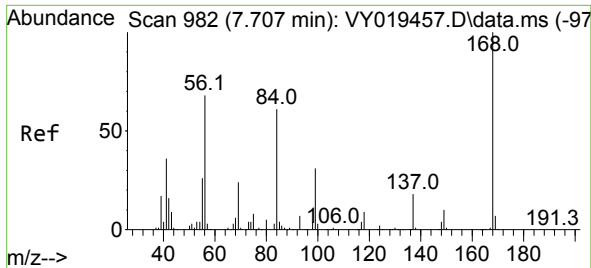
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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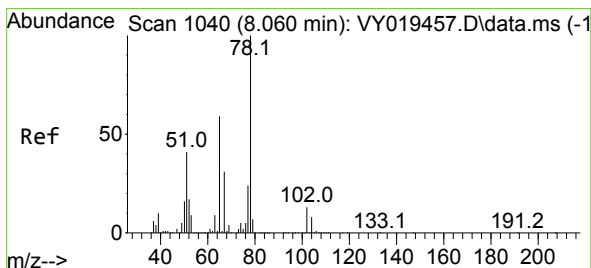
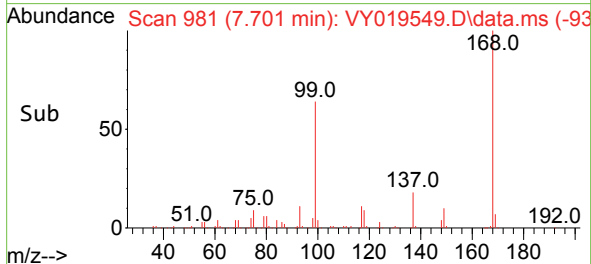
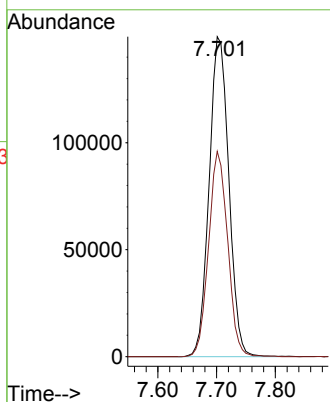
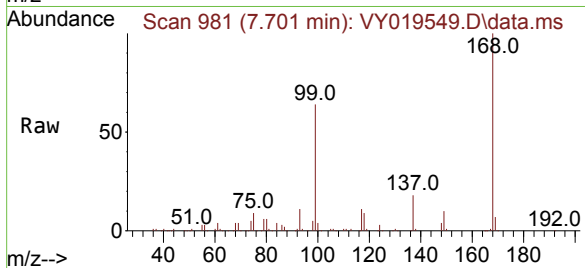




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019549.D
Acq: 13 Sep 2024 19:06

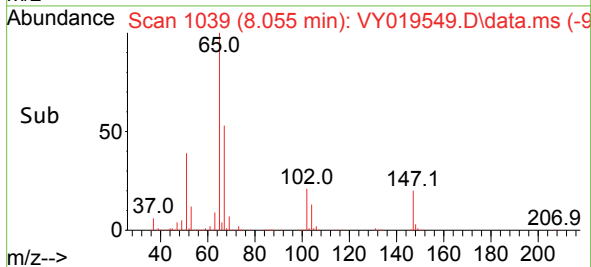
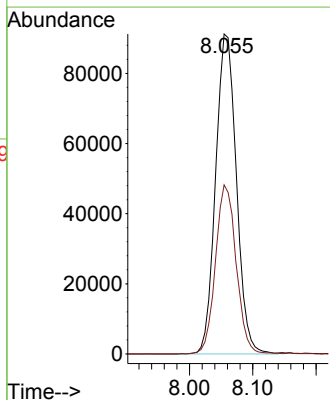
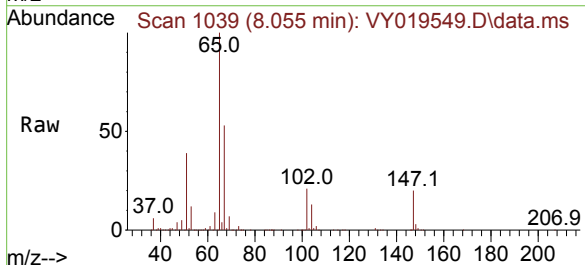
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-09132024

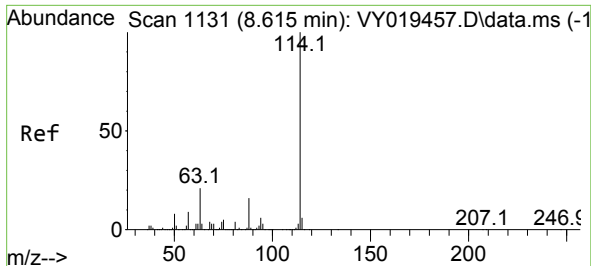
Tgt Ion:168 Resp: 347954
Ion Ratio Lower Upper
168 100
99 64.2 39.1 58.7#



#33
1,2-Dichloroethane-d4
Concen: 64.493 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY019549.D
Acq: 13 Sep 2024 19:06

Tgt Ion: 65 Resp: 207795
Ion Ratio Lower Upper
65 100
67 52.6 0.0 109.6

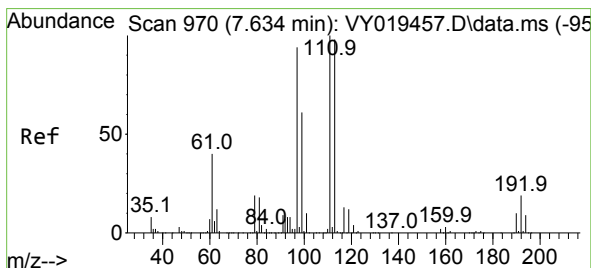
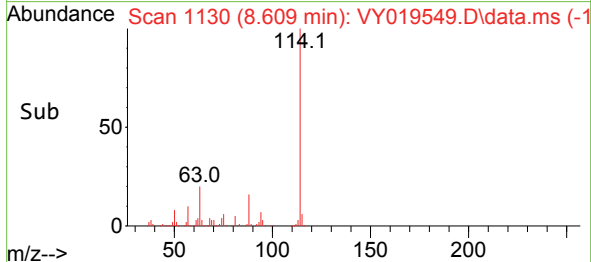
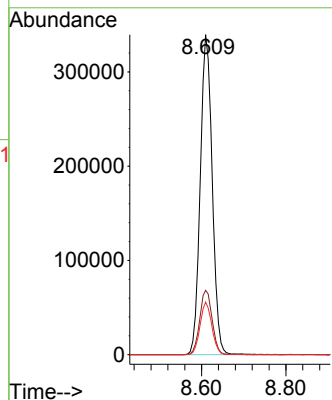
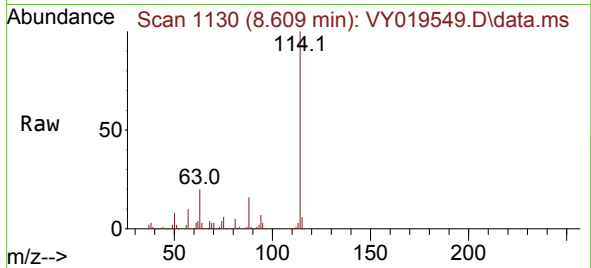




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY019549.D
Acq: 13 Sep 2024 19:06

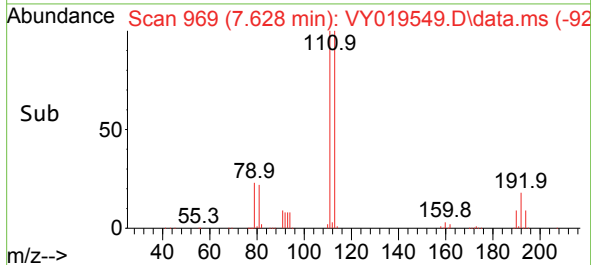
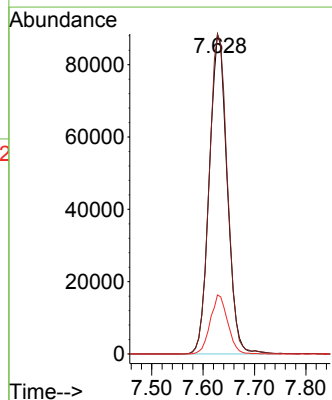
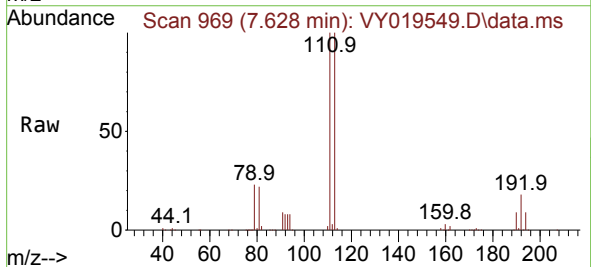
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-09132024

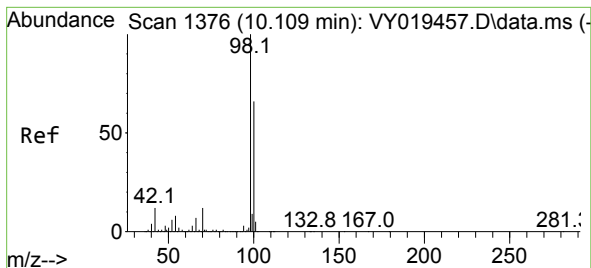
Tgt Ion:114 Resp: 670394
Ion Ratio Lower Upper
114 100
63 20.1 0.0 35.0
88 16.4 0.0 27.2



#35
Dibromofluoromethane
Concen: 56.273 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY019549.D
Acq: 13 Sep 2024 19:06

Tgt Ion:113 Resp: 213896
Ion Ratio Lower Upper
113 100
111 101.6 82.2 123.4
192 17.9 15.9 23.9





#50

Toluene-d8

Concen: 57.040 ug/l

RT: 10.103 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019549.D

Acq: 13 Sep 2024 19:06

Instrument :

MSVOA_Y

ClientSampleId :

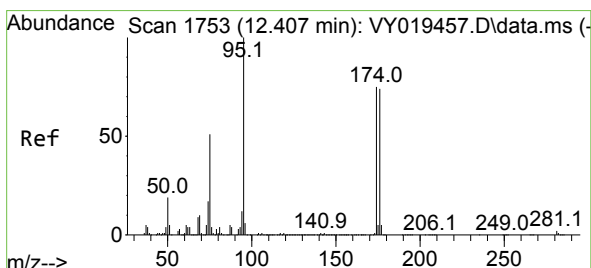
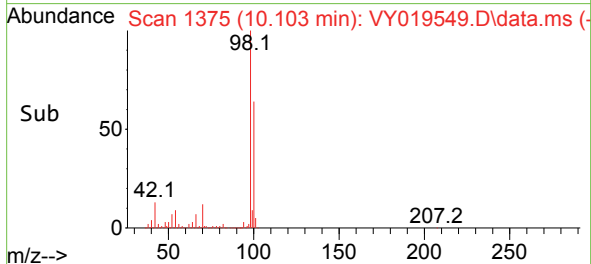
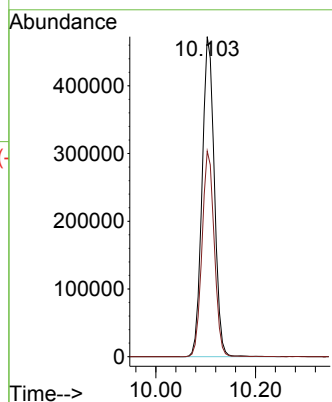
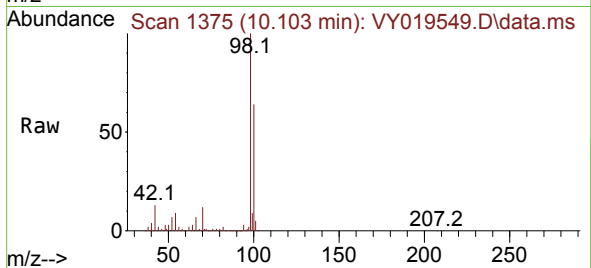
OK-02-09132024

Tgt Ion: 98 Resp: 801934

Ion Ratio Lower Upper

98 100

100 64.5 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 48.370 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY019549.D

Acq: 13 Sep 2024 19:06

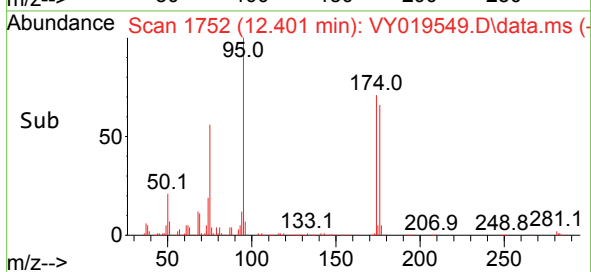
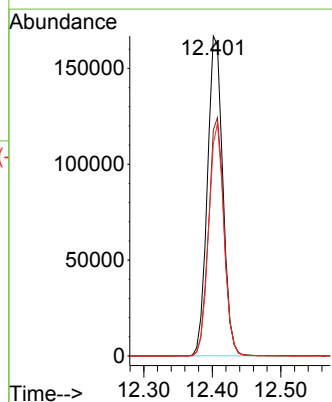
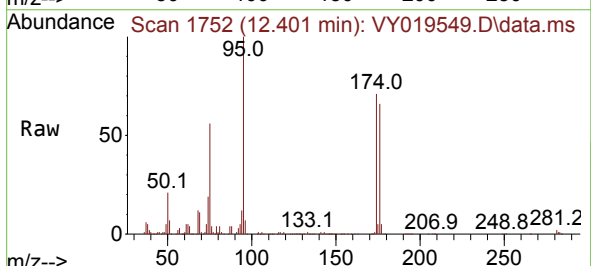
Tgt Ion: 95 Resp: 261477

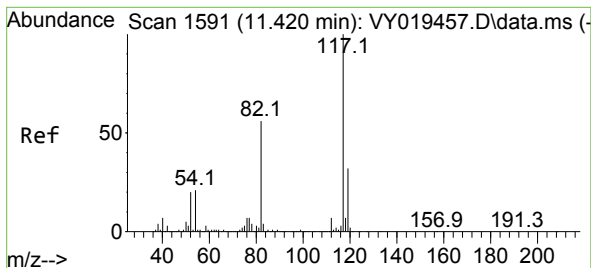
Ion Ratio Lower Upper

95 100

174 74.6 0.0 175.6

176 71.7 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: VY019549.D

Acq: 13 Sep 2024 19:06

Instrument :

MSVOA_Y

ClientSampleId :

OK-02-09132024

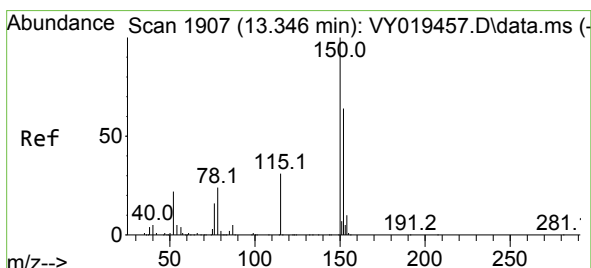
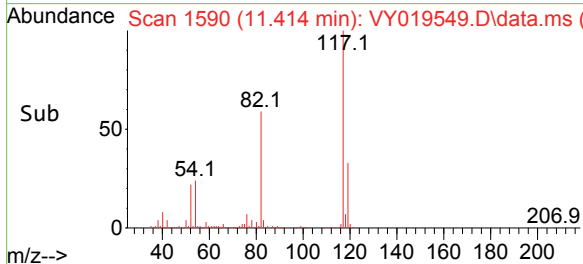
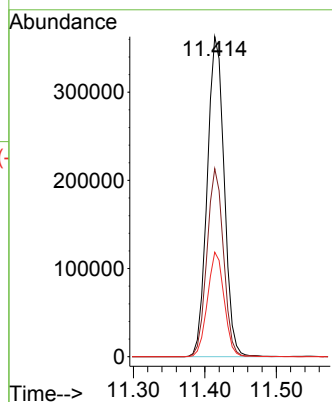
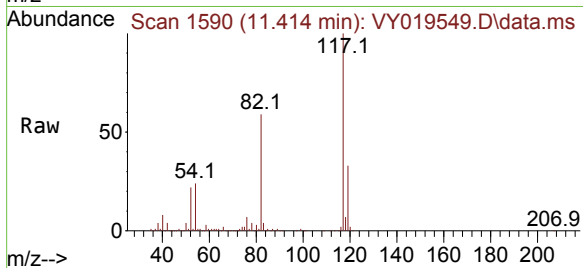
Tgt Ion:117 Resp: 597781

Ion Ratio Lower Upper

117 100

82 58.7 42.4 63.6

119 32.7 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: VY019549.D

Acq: 13 Sep 2024 19:06

Tgt Ion:152 Resp: 221796

Ion Ratio Lower Upper

152 100

115 61.9 28.2 84.7

150 159.1 0.0 345.6

