

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012325\
 Data File : VY020916.D
 Acq On : 23 Jan 2025 17:27
 Operator : SY/MD
 Sample : Q1169-03
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 REGULATOR-BUILDING-GRAVEL

Quant Time: Jan 24 00:19:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 00:38:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.725	168	377228	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.628	114	562708	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.426	117	443524	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.359	152	189697	50.000	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	135975	42.409	ug/l	-0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.820%
35) Dibromofluoromethane	7.646	113	156080	44.274	ug/l	-0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.540%
50) Toluene-d8	10.115	98	603757	49.129	ug/l	-0.02
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.260%
62) 4-Bromofluorobenzene	12.414	95	177057	39.015	ug/l	-0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	=	78.020%

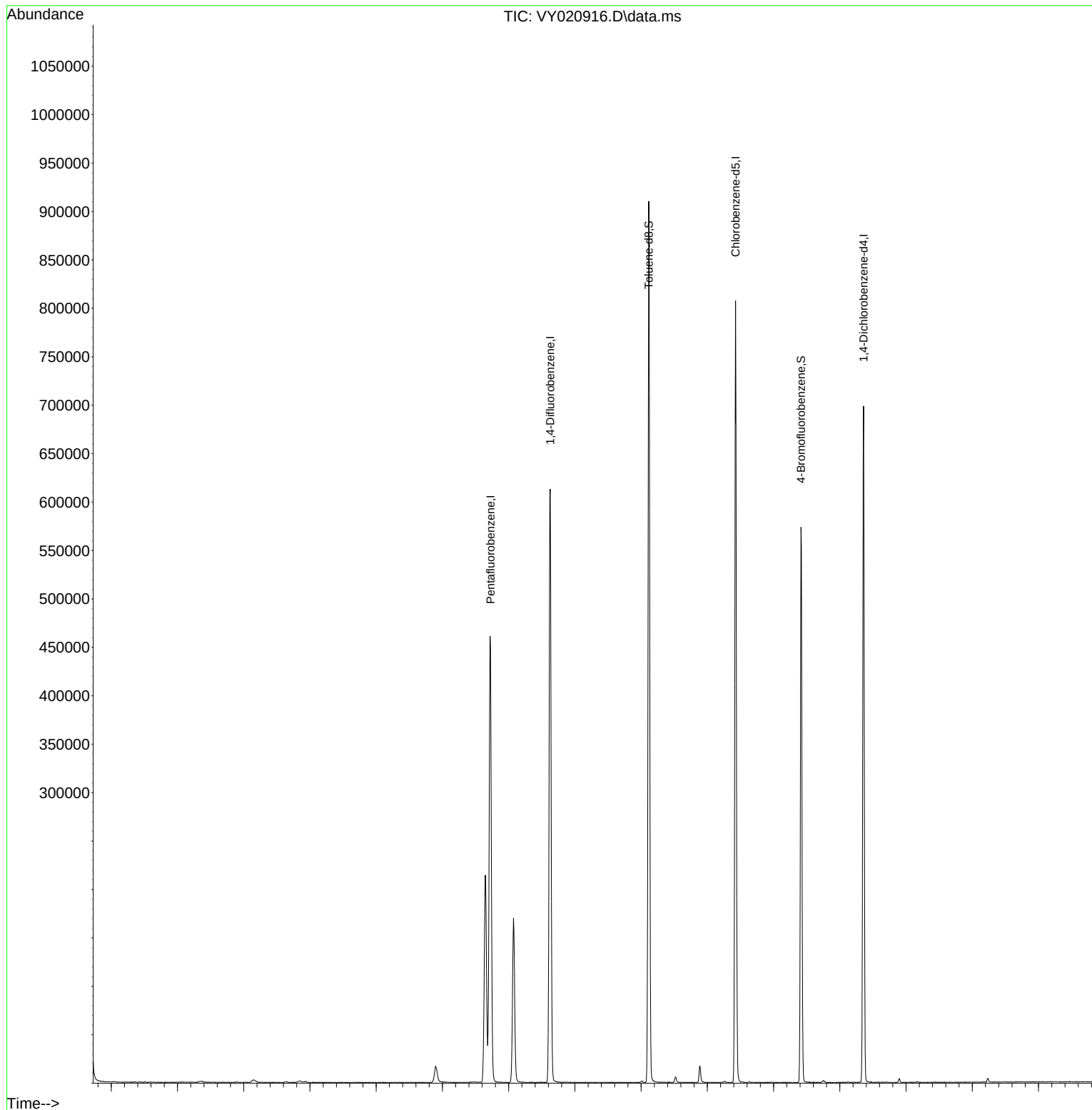
Target Compounds Qvalue

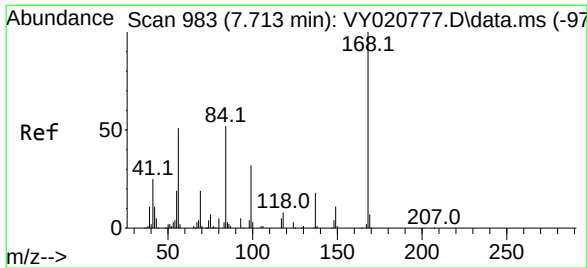
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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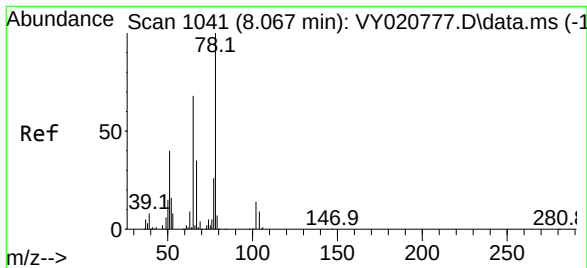
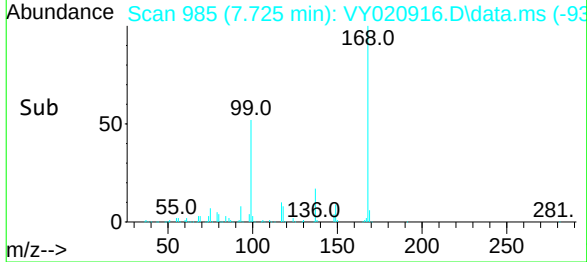
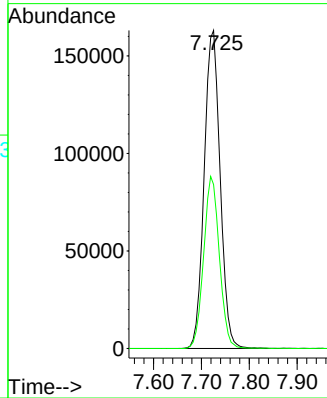
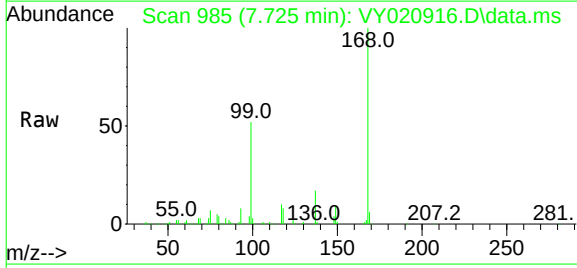




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.725 min Scan# 98
Delta R.T. -0.012 min
Lab File: VY020916.D
Acq: 23 Jan 2025 17:27

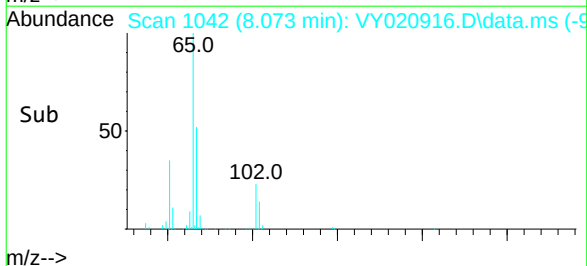
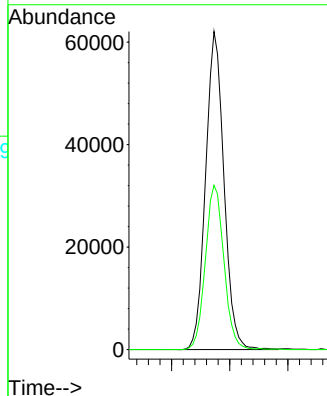
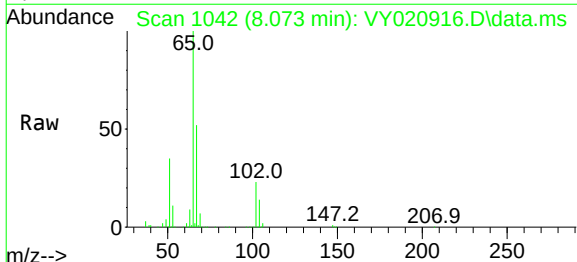
Instrument :
MSVOA_Y
ClientSampleId :
REGULATOR-BUILDING-GRAVEL

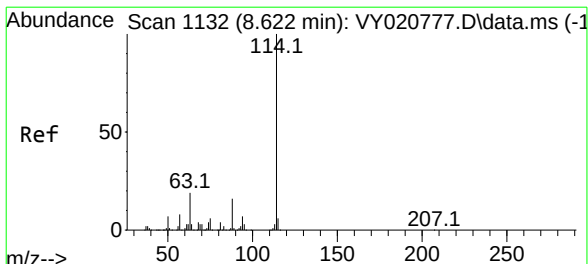
Tgt Ion:168 Resp: 377228
Ion Ratio Lower Upper
168 100
99 51.5 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 42.409 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. -0.018 min
Lab File: VY020916.D
Acq: 23 Jan 2025 17:27

Tgt Ion: 65 Resp: 135975
Ion Ratio Lower Upper
65 100
67 52.3 0.0 102.8

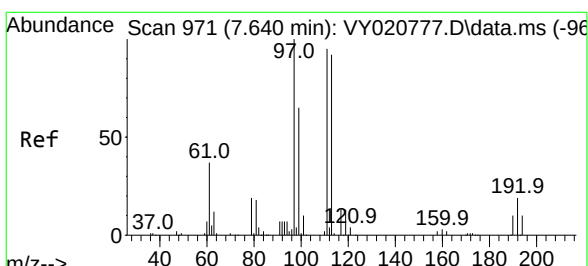
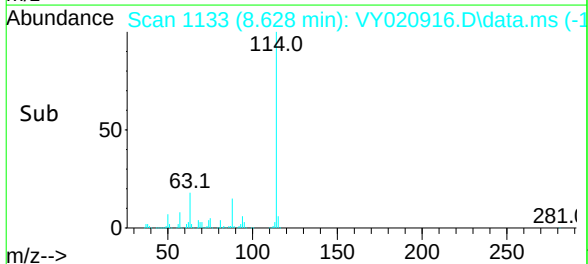
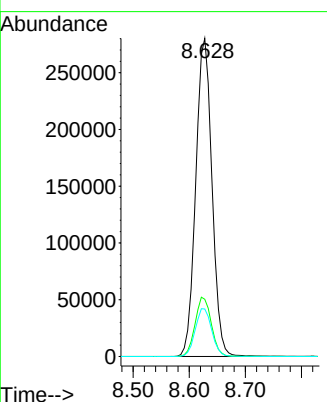
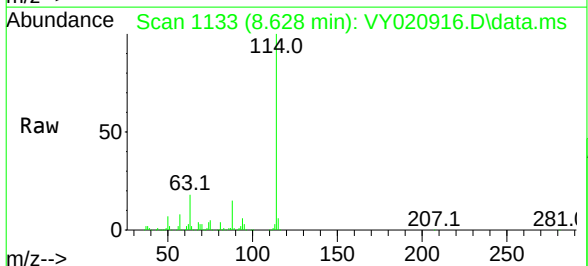




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.628 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: VY020916.D
 Acq: 23 Jan 2025 17:27

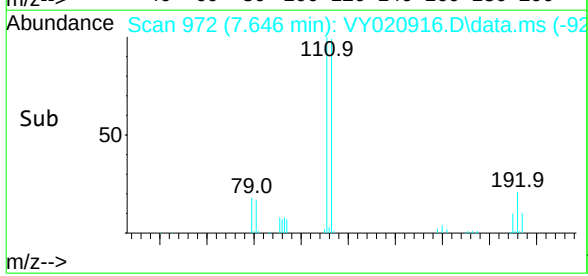
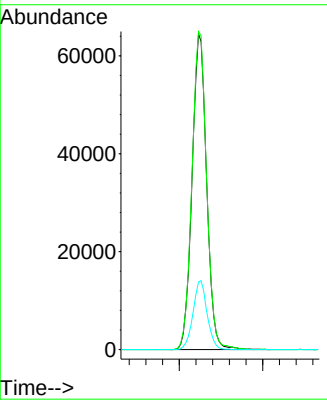
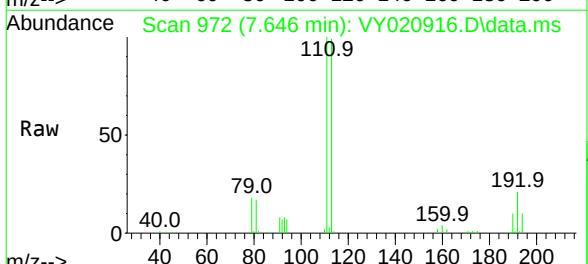
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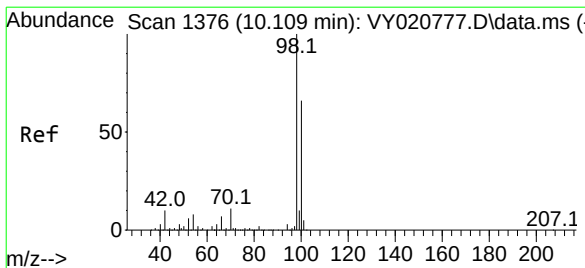
Tgt Ion:	114	Resp:	562708
Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	38.4
88	14.9	0.0	31.2



#35
 Dibromofluoromethane
 Concen: 44.274 ug/l
 RT: 7.646 min Scan# 972
 Delta R.T. -0.018 min
 Lab File: VY020916.D
 Acq: 23 Jan 2025 17:27

Tgt Ion:	113	Resp:	156080
Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.7	122.5
192	21.1	16.7	25.1





#50

Toluene-d8

Concen: 49.129 ug/l

RT: 10.115 min Scan# 1376

Delta R.T. -0.018 min

Lab File: VY020916.D

Acq: 23 Jan 2025 17:27

Instrument :

MSVOA_Y

ClientSampleId :

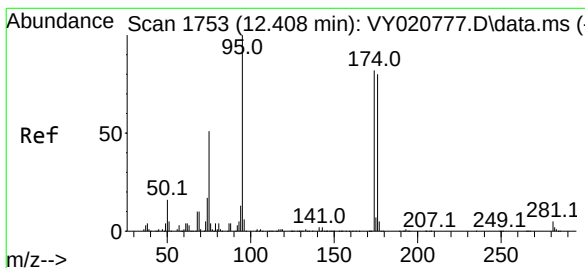
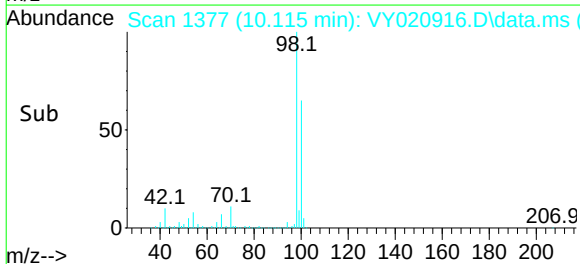
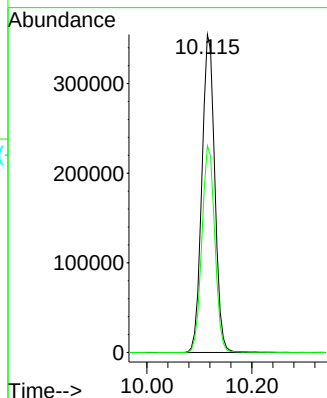
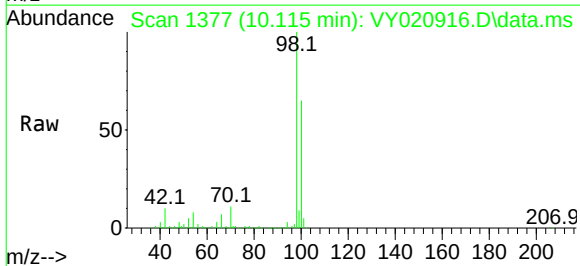
REGULATOR-BUILDING-GRAVEL

Tgt Ion: 98 Resp: 603757

Ion Ratio Lower Upper

98 100

100 65.4 52.5 78.7



#62

4-Bromofluorobenzene

Concen: 39.015 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.012 min

Lab File: VY020916.D

Acq: 23 Jan 2025 17:27

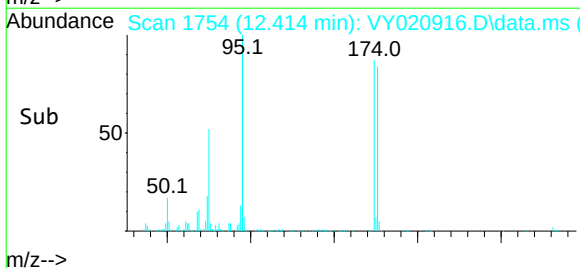
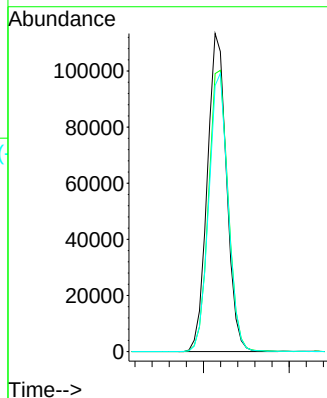
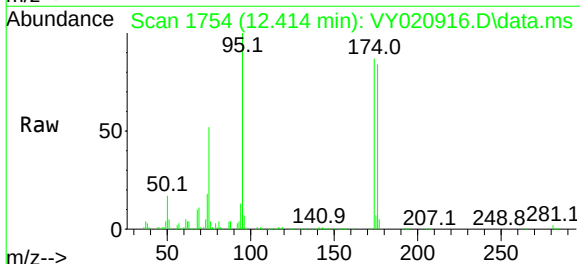
Tgt Ion: 95 Resp: 177057

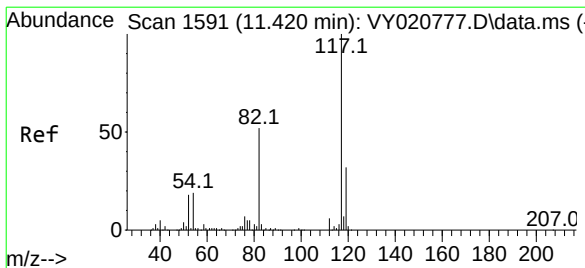
Ion Ratio Lower Upper

95 100

174 90.0 0.0 178.0

176 87.4 0.0 172.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 1591

Delta R.T. -0.012 min

Lab File: VY020916.D

Acq: 23 Jan 2025 17:27

Instrument :

MSVOA_Y

ClientSampleId :

REGULATOR-BUILDING-GRAVEL

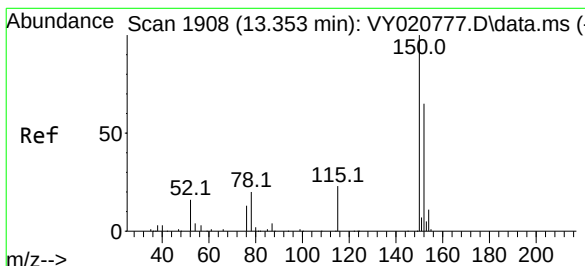
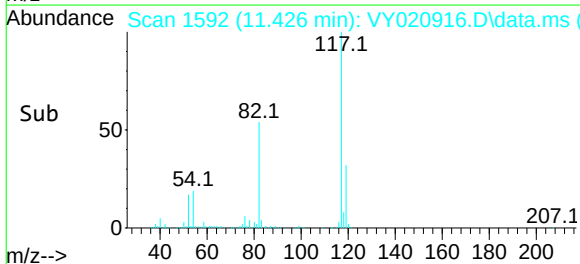
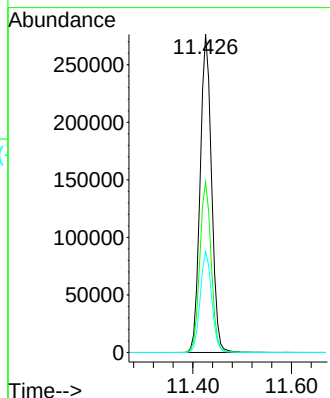
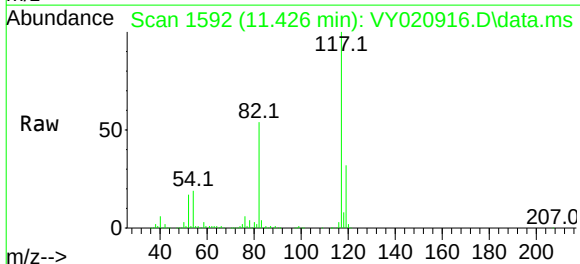
Tgt Ion:117 Resp: 443524

Ion Ratio Lower Upper

117 100

82 53.6 41.8 62.6

119 31.7 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. -0.012 min

Lab File: VY020916.D

Acq: 23 Jan 2025 17:27

Tgt Ion:152 Resp: 189697

Ion Ratio Lower Upper

152 100

115 56.9 29.0 87.0

150 155.8 0.0 347.4

