

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011923\
 Data File : VY012271.D
 Acq On : 19 Jan 2023 17:21
 Operator : KP/MD
 Sample : 01190-11
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PE-10

Quant Time: Jan 20 03:25:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	1241	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	2238	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	1515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	243	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	914	92.171	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	184.340%#
35) Dibromofluoromethane	7.716	113	288	24.303	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	48.600%#
50) Toluene-d8	10.185	98	2350	57.921	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	115.840%
62) 4-Bromofluorobenzene	12.483	95	331	19.814	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	39.620%

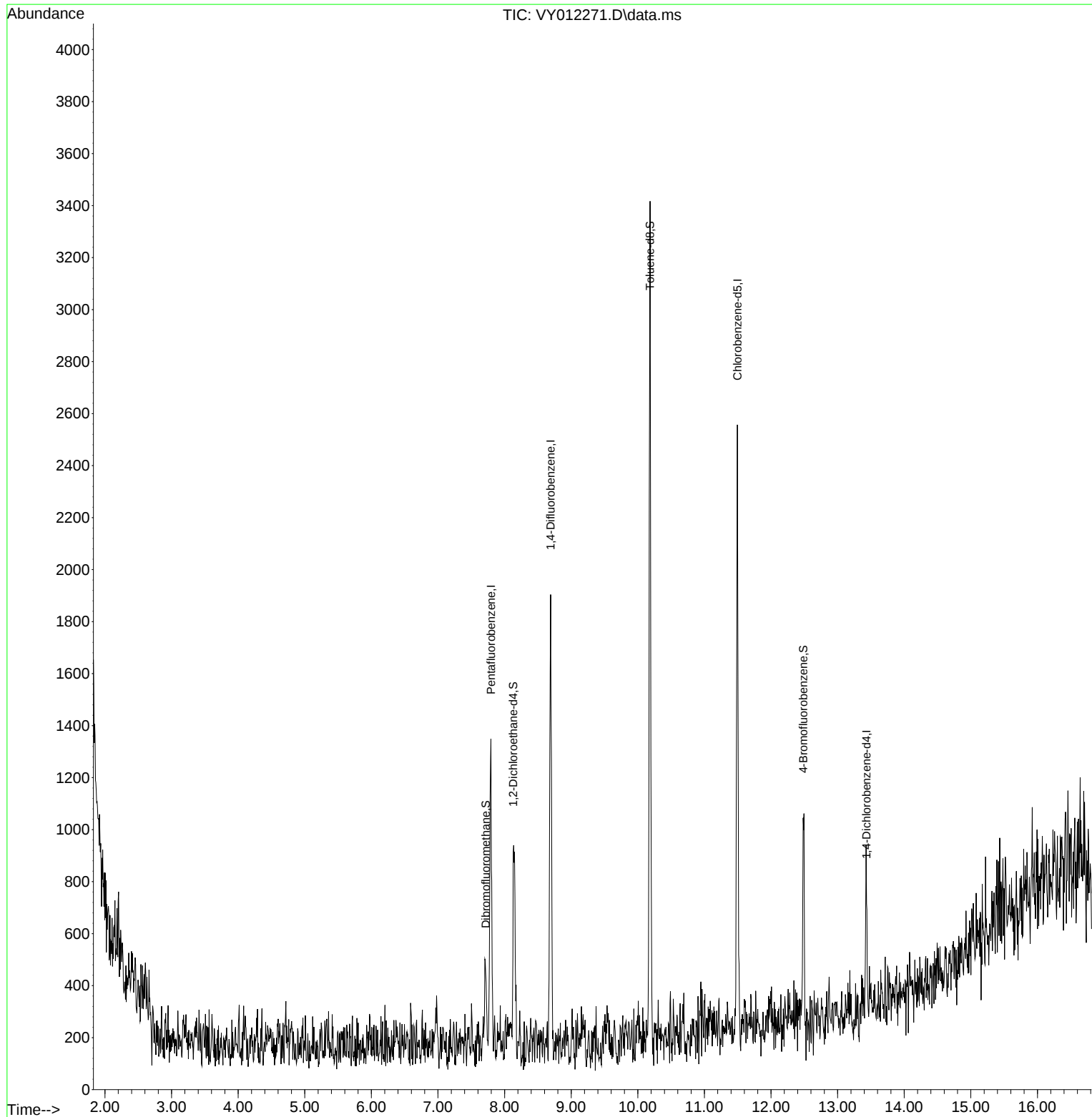
Target Compounds	Qvalue

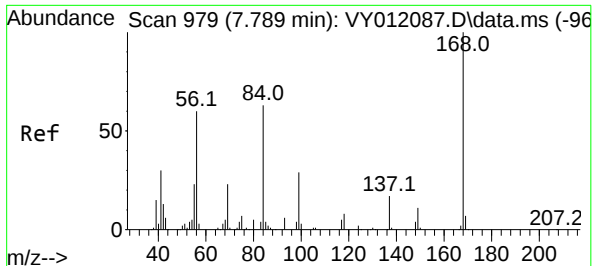
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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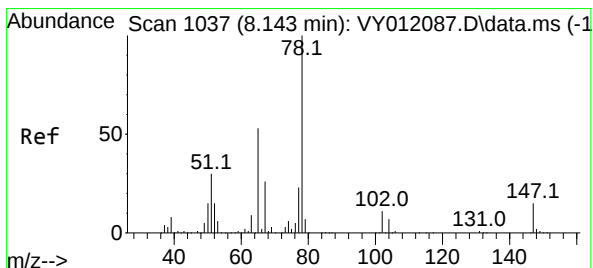
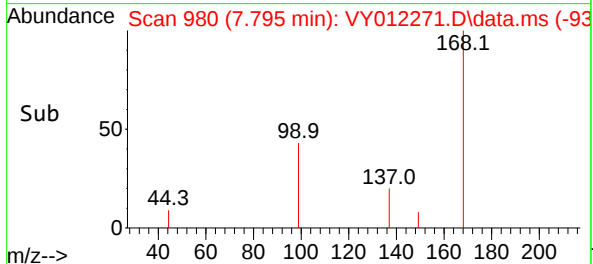
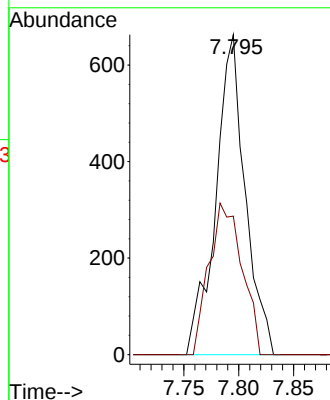
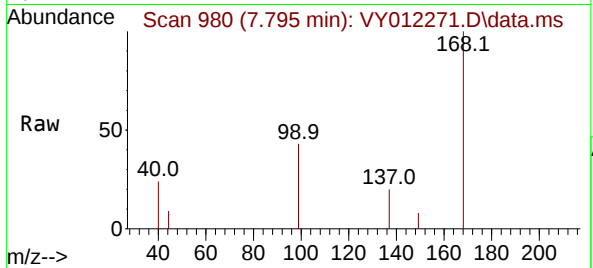




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012271.D
Acq: 19 Jan 2023 17:21

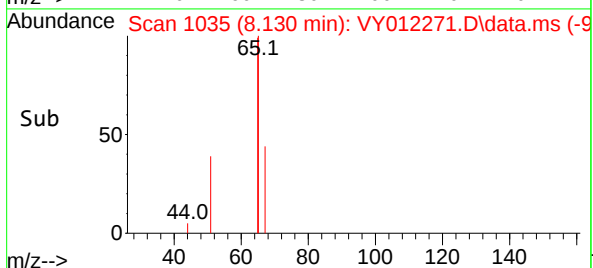
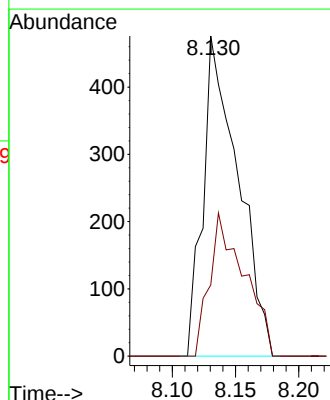
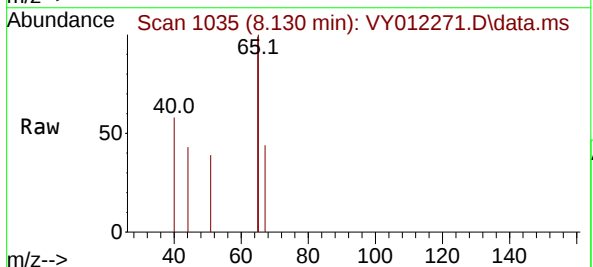
Instrument :
MSVOA_Y
ClientSampleId :
PE-10

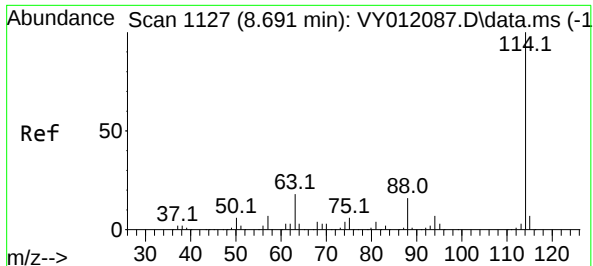
Tgt Ion:168 Resp: 1241
Ion Ratio Lower Upper
168 100
99 43.3 44.0 66.0#



#33
1,2-Dichloroethane-d4
Concen: 92.171 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.013 min
Lab File: VY012271.D
Acq: 19 Jan 2023 17:21

Tgt Ion: 65 Resp: 914
Ion Ratio Lower Upper
65 100
67 44.4 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012271.D

Acq: 19 Jan 2023 17:21

Instrument :

MSVOA_Y

ClientSampleId :

PE-10

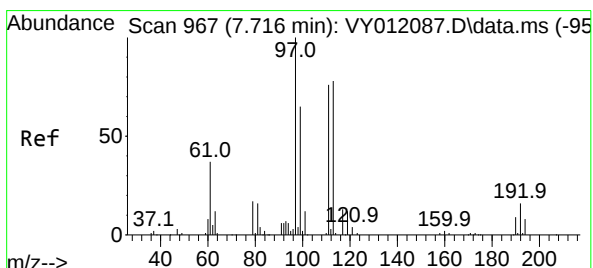
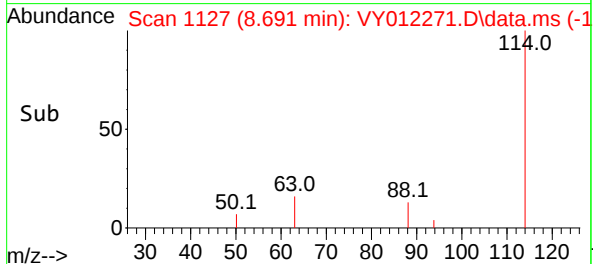
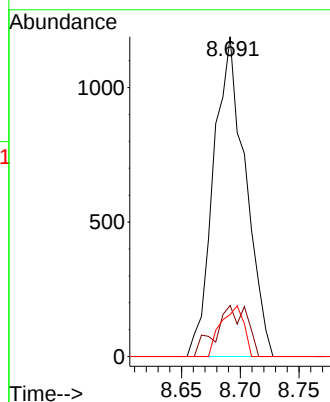
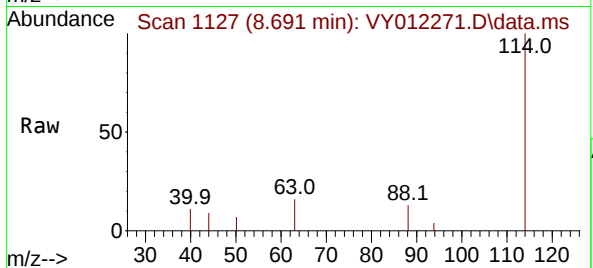
Tgt Ion:114 Resp: 2238

Ion Ratio Lower Upper

114 100

63 16.0 0.0 39.6

88 13.1 0.0 32.2



#35

Dibromofluoromethane

Concen: 24.303 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012271.D

Acq: 19 Jan 2023 17:21

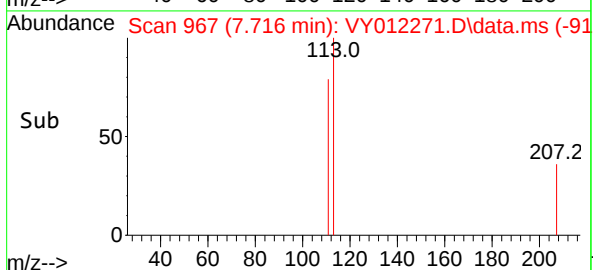
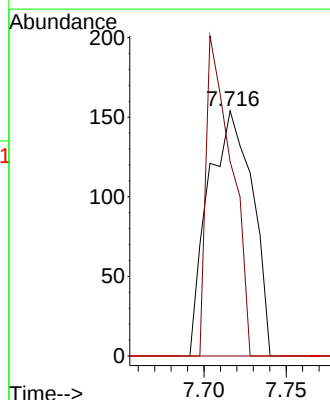
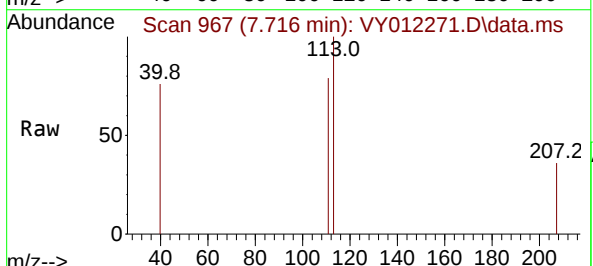
Tgt Ion:113 Resp: 288

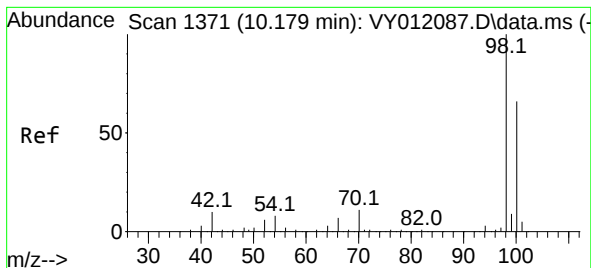
Ion Ratio Lower Upper

113 100

111 74.7 83.0 124.4#

192 0.0 16.0 24.0#





#50

Toluene-d8

Concen: 57.921 ug/l

RT: 10.185 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY012271.D

Acq: 19 Jan 2023 17:21

Instrument :

MSVOA_Y

ClientSampleId :

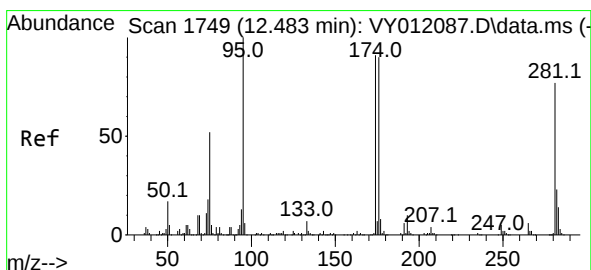
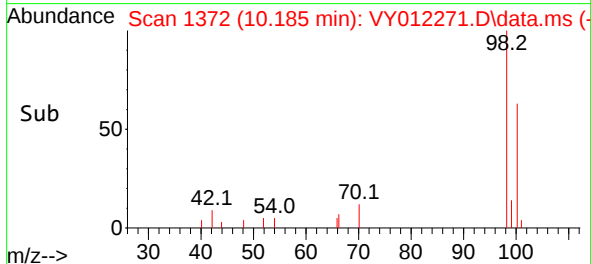
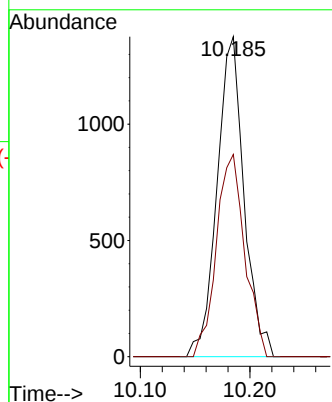
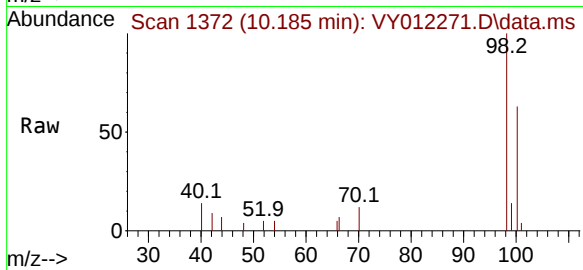
PE-10

Tgt Ion: 98 Resp: 2350

Ion Ratio Lower Upper

98 100

100 66.7 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 19.814 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY012271.D

Acq: 19 Jan 2023 17:21

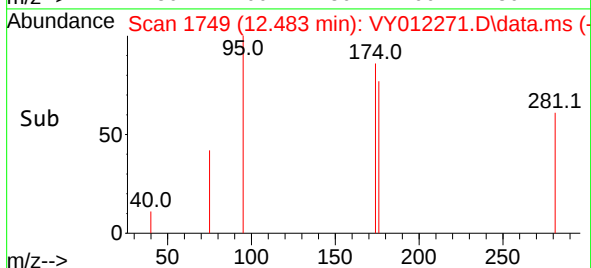
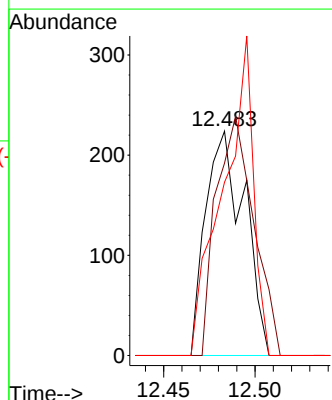
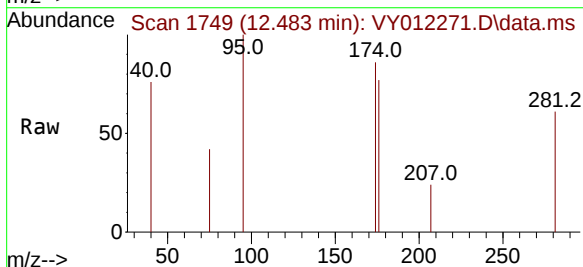
Tgt Ion: 95 Resp: 331

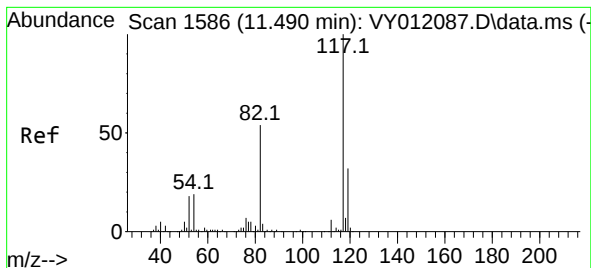
Ion Ratio Lower Upper

95 100

174 103.3 0.0 172.0

176 110.9 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY012271.D

Acq: 19 Jan 2023 17:21

Instrument :

MSVOA_Y

ClientSampleId :

PE-10

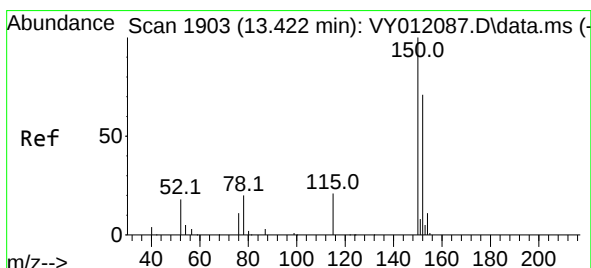
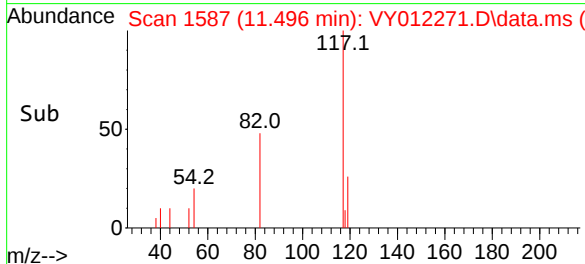
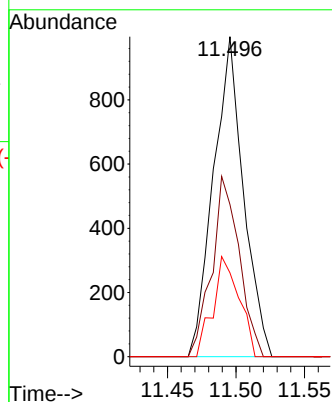
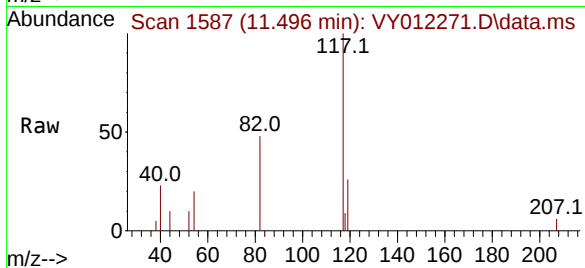
Tgt Ion:117 Resp: 1515

Ion Ratio Lower Upper

117 100

82 47.5 44.8 67.2

119 26.2 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.012 min

Lab File: VY012271.D

Acq: 19 Jan 2023 17:21

Tgt Ion:152 Resp: 243

Ion Ratio Lower Upper

152 100

115 35.4 29.1 87.3

150 191.8 0.0 342.6

