

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050223\
 Data File : VY013551.D
 Acq On : 02 May 2023 13:03
 Operator : KP/MD
 Sample : 02563-01
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-01-042823

Quant Time: May 03 01:33:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	3526	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	6070	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	6244	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1957	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	4413	114.170	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 228.340%#	
35) Dibromofluoromethane	7.716	113	2878	75.385	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 150.760%#	
50) Toluene-d8	10.179	98	7603	55.981	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.960%	
62) 4-Bromofluorobenzene	12.483	95	2345	51.217	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.440%	

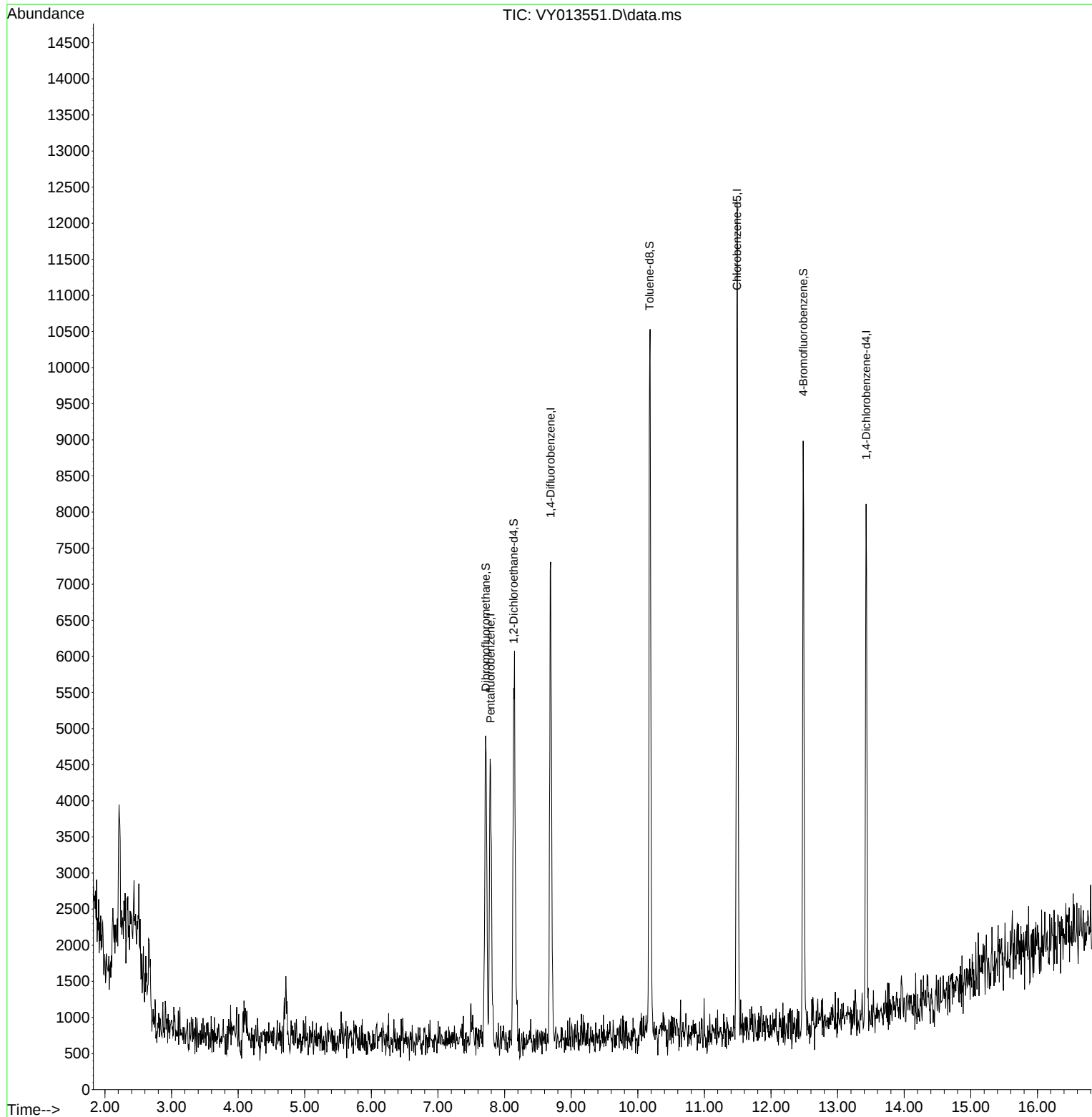
Target Compounds	Qvalue

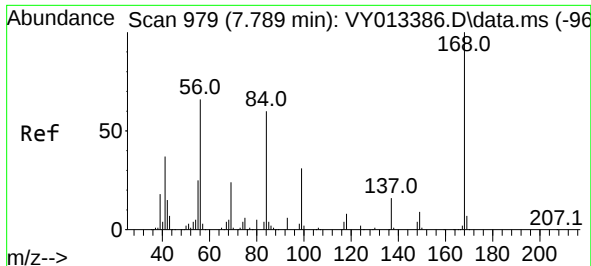
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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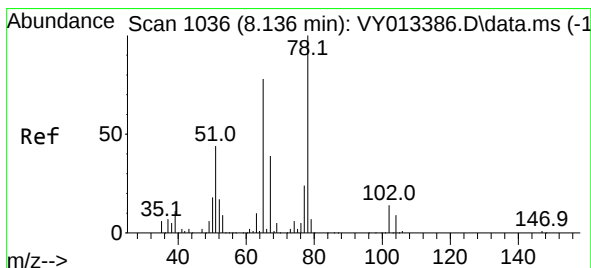
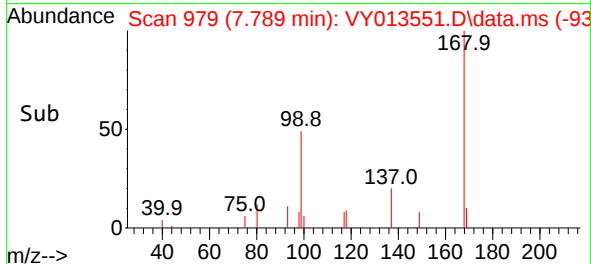
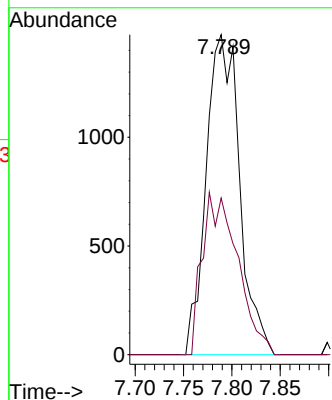
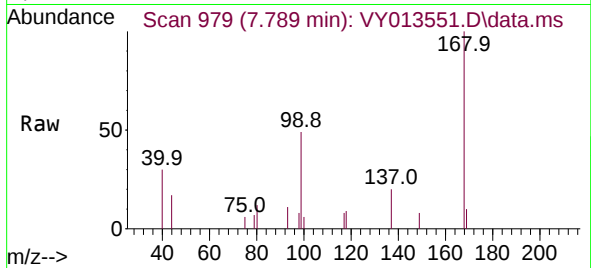




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013551.D
Acq: 02 May 2023 13:03

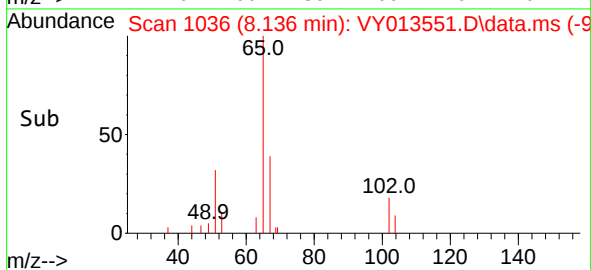
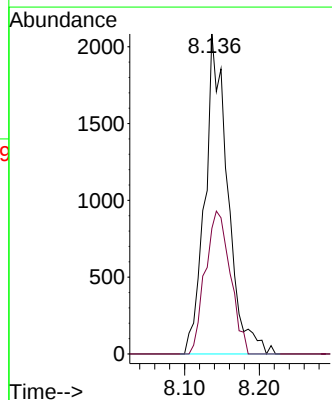
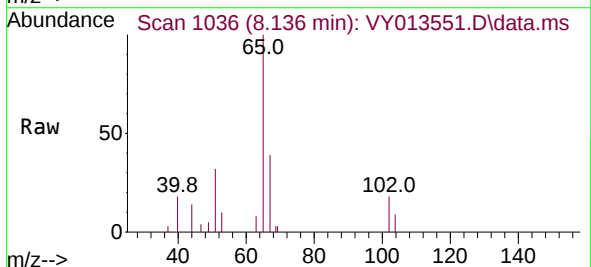
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-042823

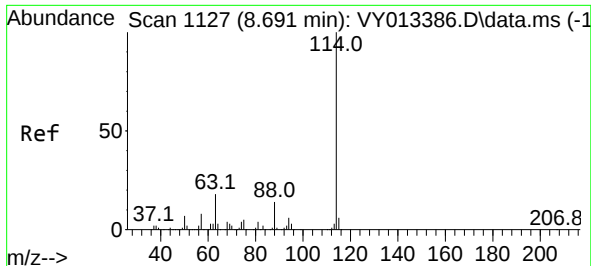
Tgt Ion:168 Resp: 3526
Ion Ratio Lower Upper
168 100
99 49.0 41.8 62.6



#33
1,2-Dichloroethane-d4
Concen: 114.170 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013551.D
Acq: 02 May 2023 13:03

Tgt Ion: 65 Resp: 4413
Ion Ratio Lower Upper
65 100
67 48.8 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013551.D

Acq: 02 May 2023 13:03

Instrument :

MSVOA_Y

ClientSampleId :

HR-01-042823

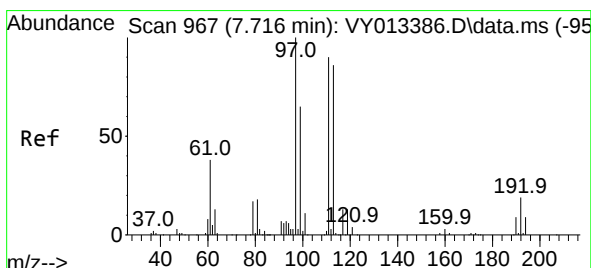
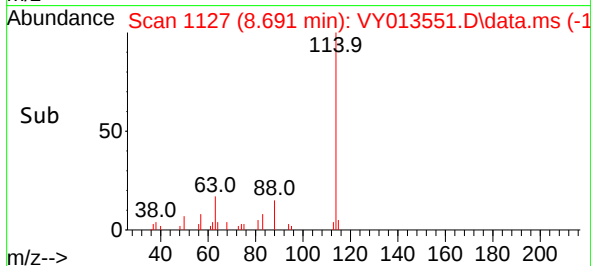
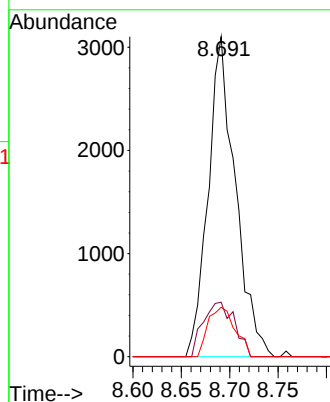
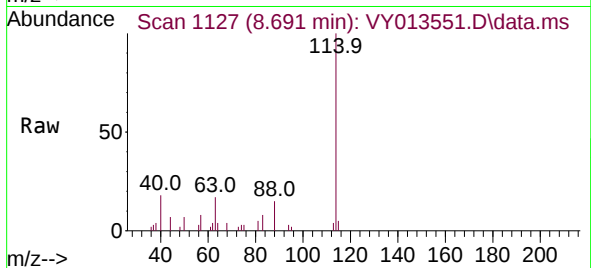
Tgt Ion:114 Resp: 6070

Ion Ratio Lower Upper

114 100

63 17.0 0.0 36.6

88 15.4 0.0 28.8



#35

Dibromofluoromethane

Concen: 75.385 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013551.D

Acq: 02 May 2023 13:03

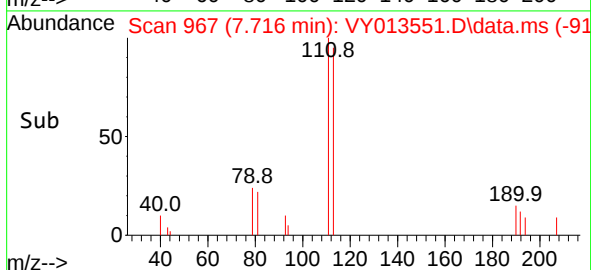
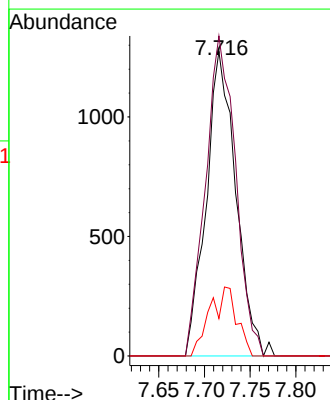
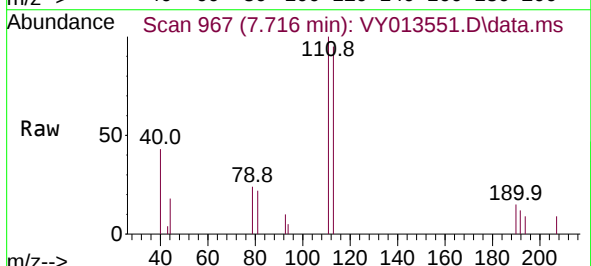
Tgt Ion:113 Resp: 2878

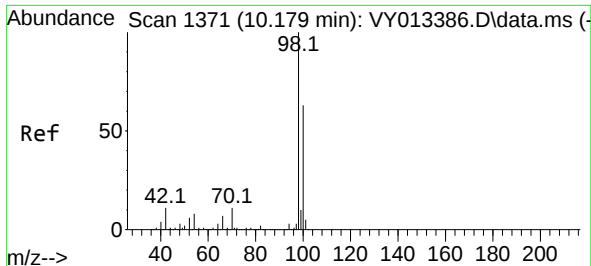
Ion Ratio Lower Upper

113 100

111 106.5 82.2 123.2

192 20.7 16.7 25.1

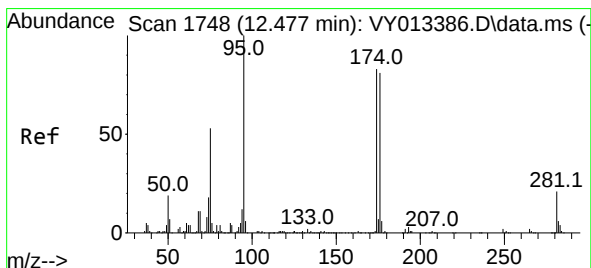
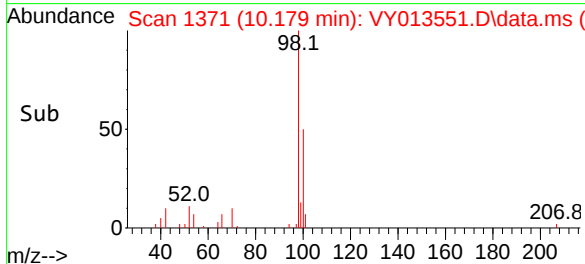
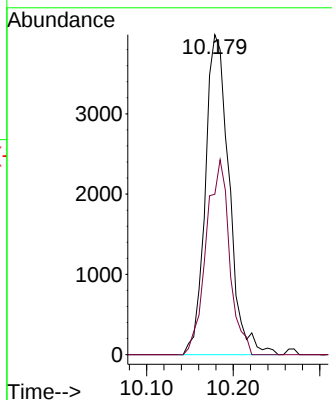
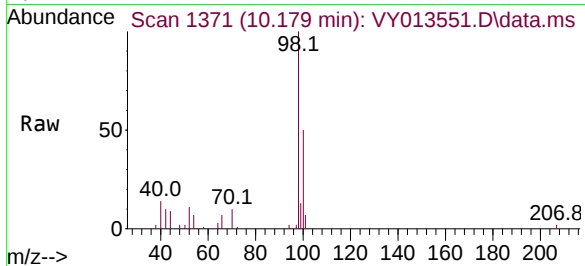




#50
Toluene-d8
Concen: 55.981 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013551.D
Acq: 02 May 2023 13:03

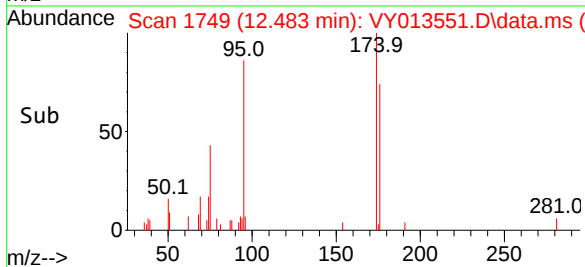
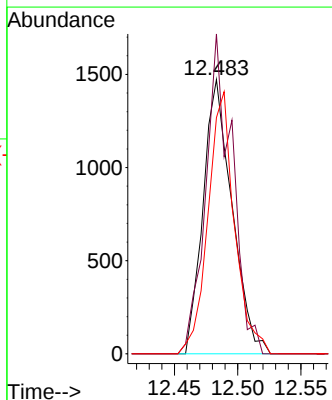
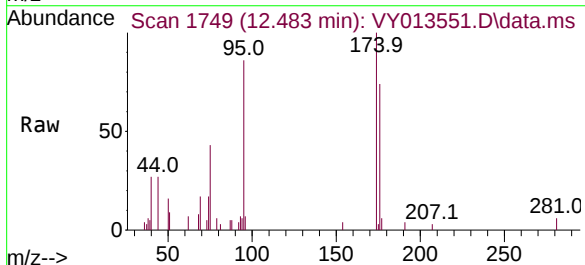
Instrument :
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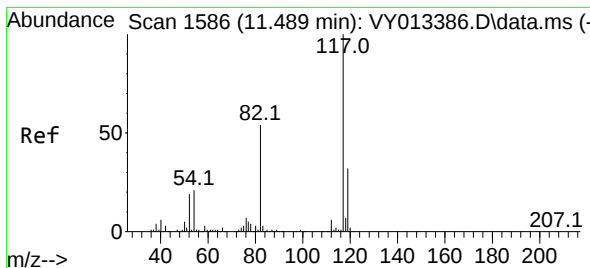
Tgt Ion: 98 Resp: 7603
Ion Ratio Lower Upper
98 100
100 59.7 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 51.217 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013551.D
Acq: 02 May 2023 13:03

Tgt Ion: 95 Resp: 2345
Ion Ratio Lower Upper
95 100
174 106.8 0.0 182.0
176 87.6 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013551.D

Acq: 02 May 2023 13:03

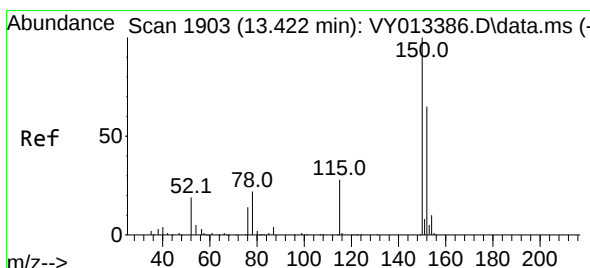
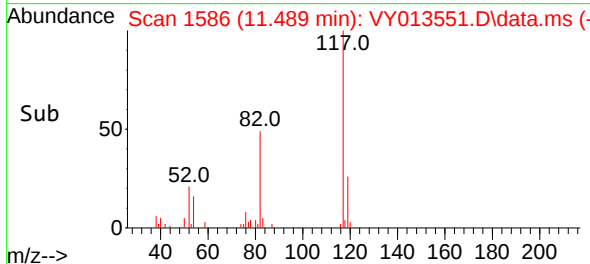
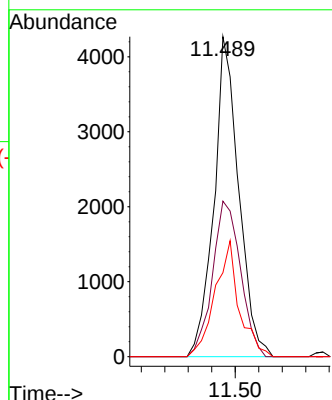
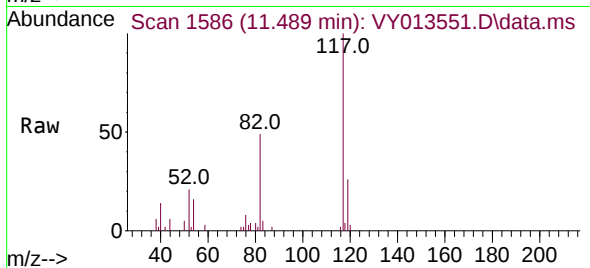
Instrument :

MSVOA_Y

ClientSampleId :

HR-01-042823

Tgt Ion:117	Resp:	6244
Ion	Ratio	Lower Upper
117	100	
82	48.6	43.0 64.6
119	26.2	25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY013551.D

Acq: 02 May 2023 13:03

Tgt Ion:152	Resp:	1957
Ion	Ratio	Lower Upper
152	100	
115	61.2	28.1 84.2
150	167.5	0.0 352.0

