

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050823\
 Data File : VY013649.D
 Acq On : 08 May 2023 15:12
 Operator : KP/MD
 Sample : 02652-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CLAY-LINER

Quant Time: May 09 04:57:33 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	220781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	373209	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	354300	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	139871	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	143327	59.220	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.440%
35) Dibromofluoromethane	7.716	113	124361	52.980	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.960%
50) Toluene-d8	10.179	98	453330	54.289	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	108.580%
62) 4-Bromofluorobenzene	12.483	95	138803	49.306	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.620%

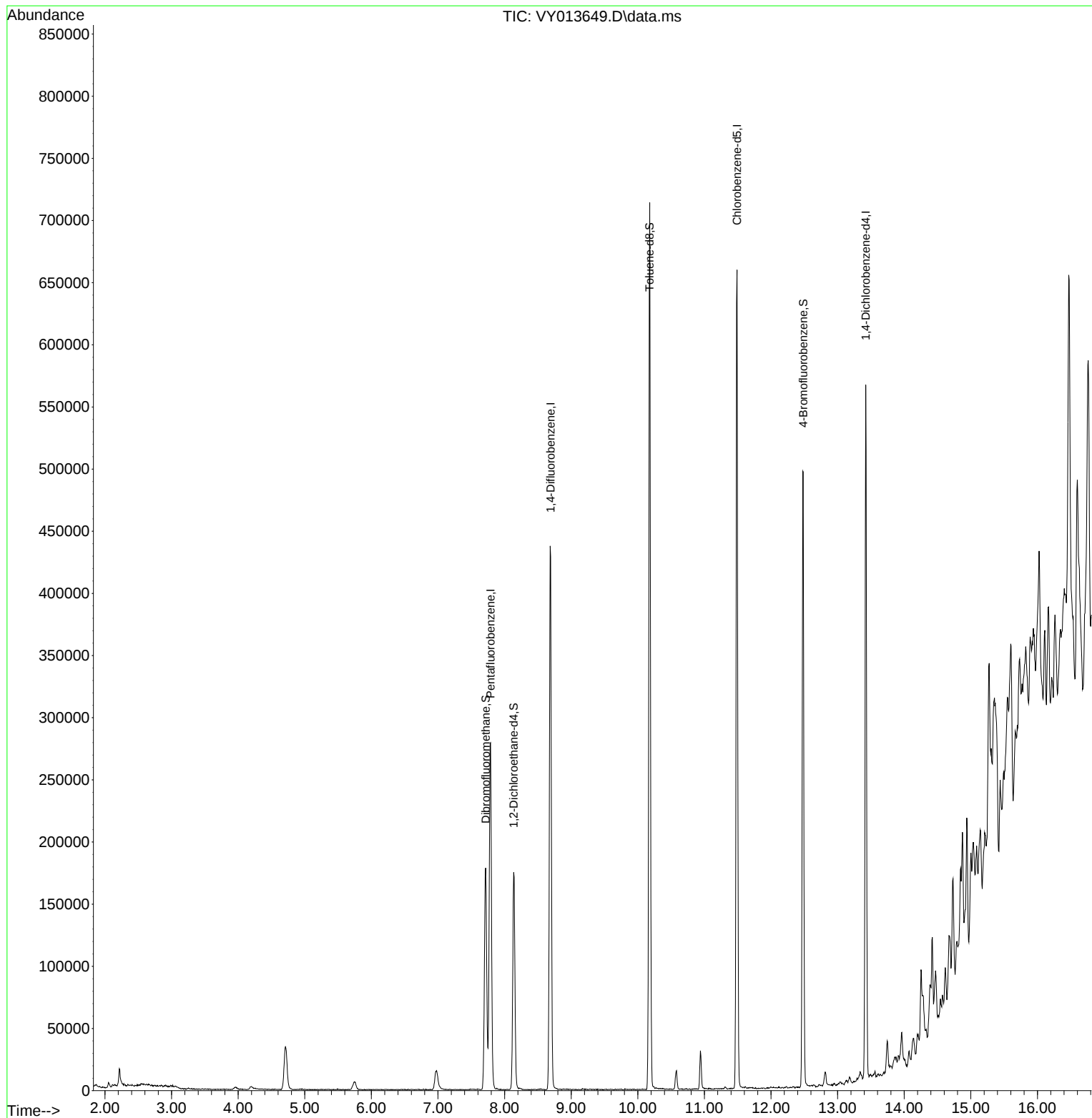
Target Compounds	Qvalue

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

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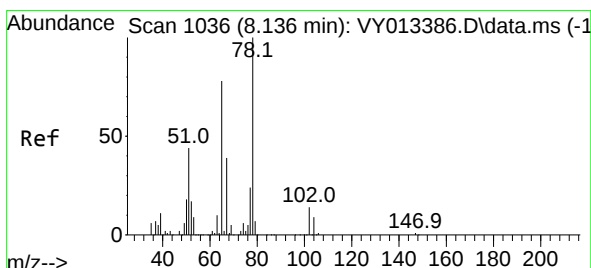
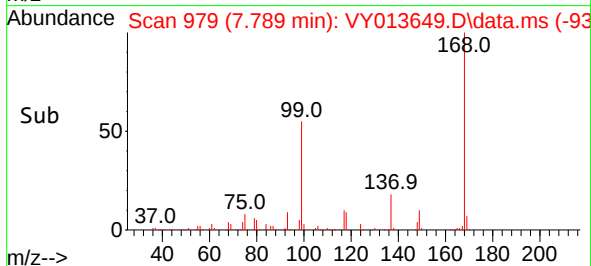
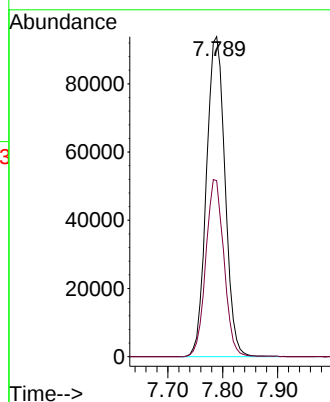
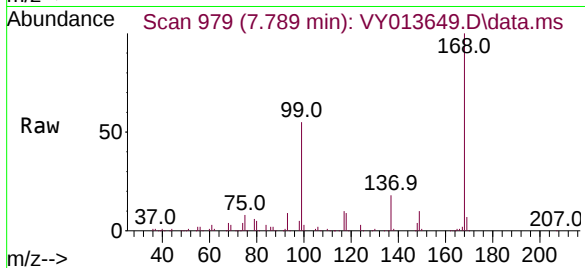




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013649.D
Acq: 08 May 2023 15:12

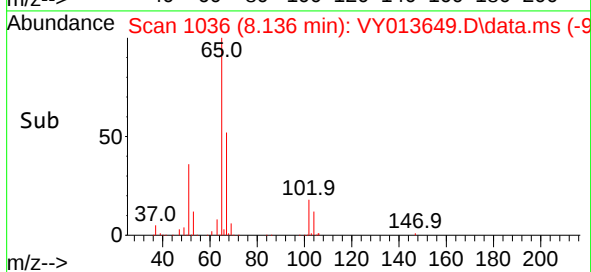
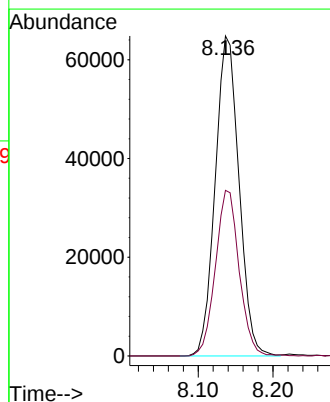
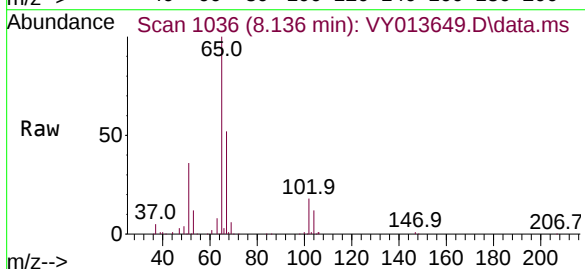
Instrument :
MSVOA_Y
ClientSampleId :
CLAY-LINER

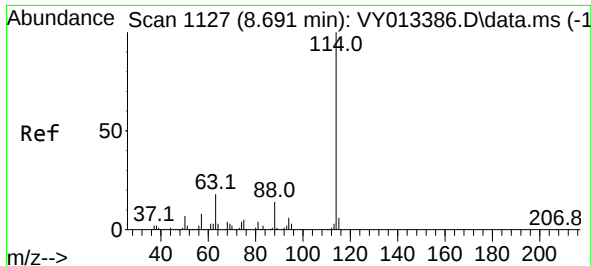
Tgt Ion:168 Resp: 220781
Ion Ratio Lower Upper
168 100
99 55.0 41.8 62.6



#33
1,2-Dichloroethane-d4
Concen: 59.220 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013649.D
Acq: 08 May 2023 15:12

Tgt Ion: 65 Resp: 143327
Ion Ratio Lower Upper
65 100
67 51.6 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: VY013649.D

Acq: 08 May 2023 15:12

Instrument :

MSVOA_Y

ClientSampleId :

CLAY-LINER

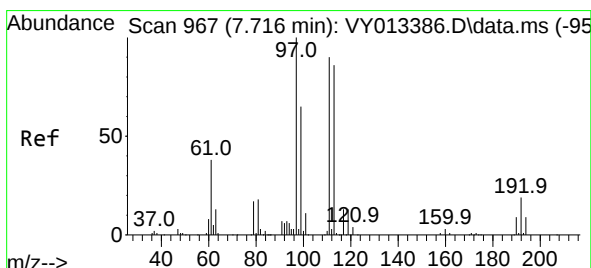
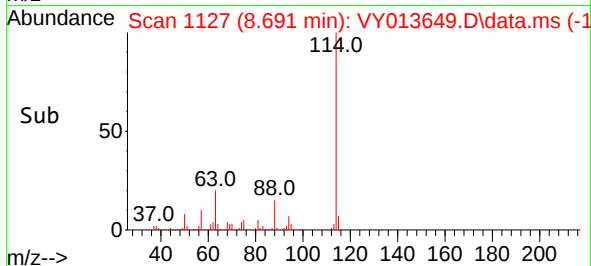
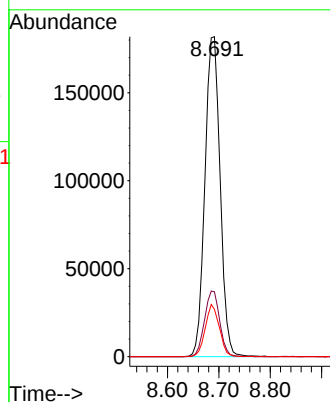
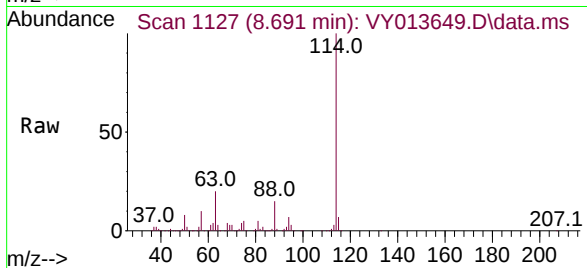
Tgt Ion:114 Resp: 373209

Ion Ratio Lower Upper

114 100

63 20.3 0.0 36.6

88 14.8 0.0 28.8



#35

Dibromofluoromethane

Concen: 52.980 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013649.D

Acq: 08 May 2023 15:12

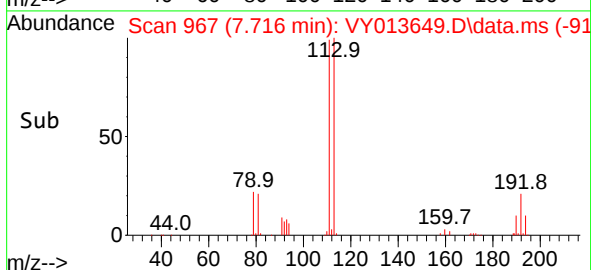
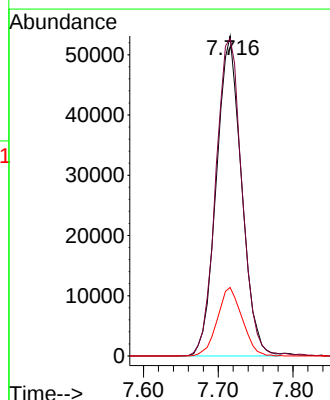
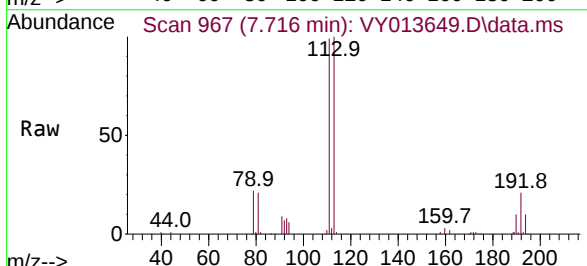
Tgt Ion:113 Resp: 124361

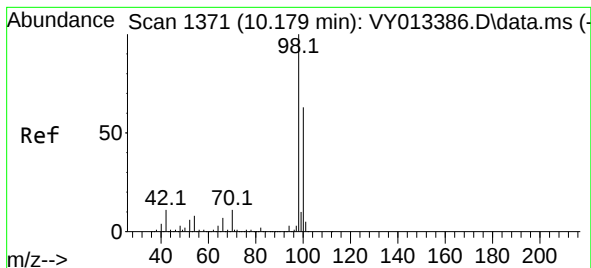
Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.2

192 21.0 16.7 25.1

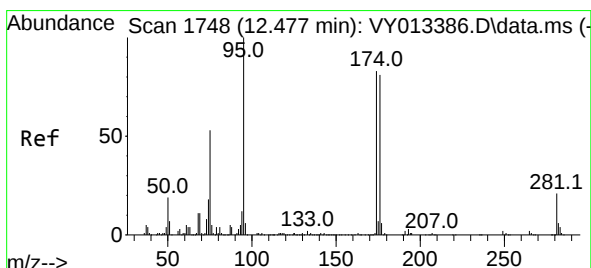
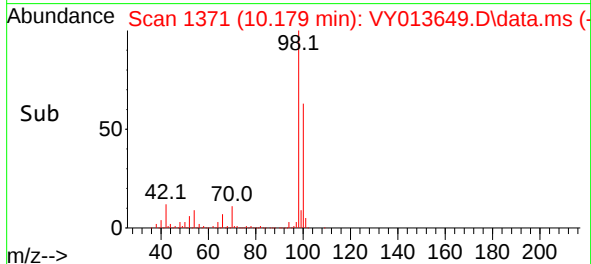
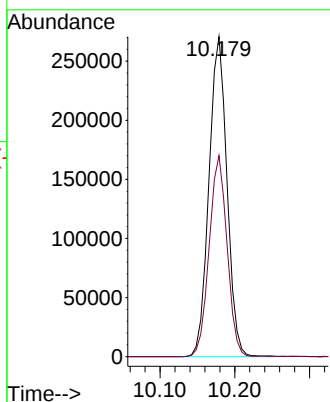
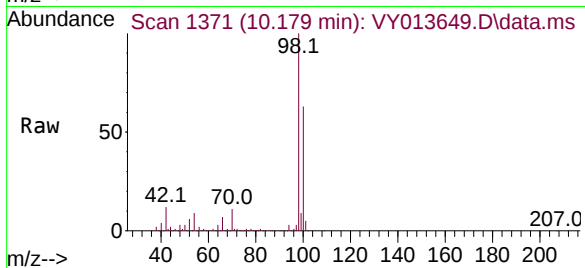




#50
Toluene-d8
Concen: 54.289 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013649.D
Acq: 08 May 2023 15:12

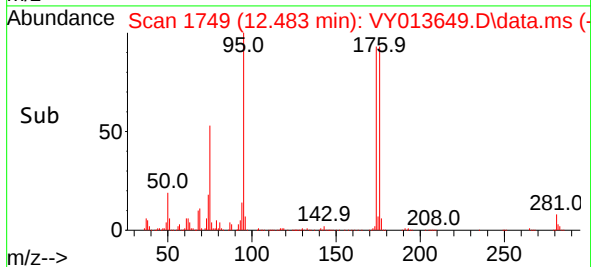
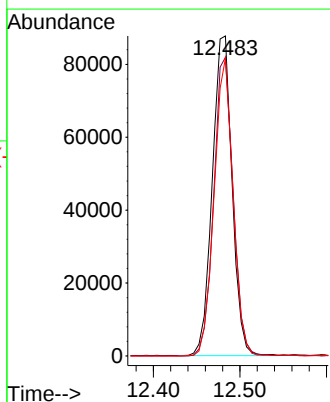
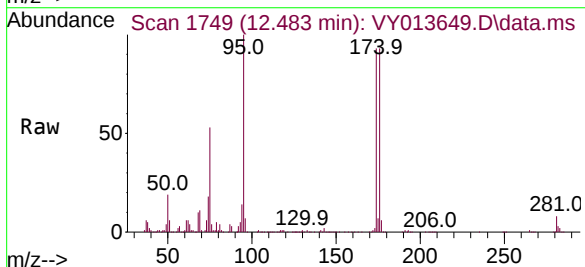
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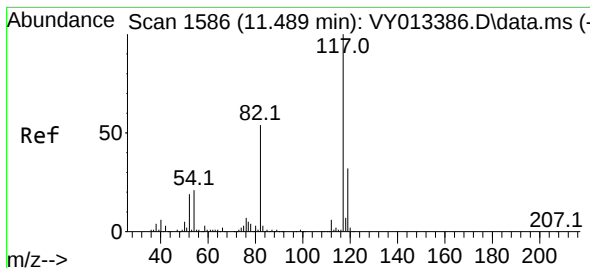
Tgt Ion: 98 Resp: 453330
Ion Ratio Lower Upper
98 100
100 62.3 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 49.306 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013649.D
Acq: 08 May 2023 15:12

Tgt Ion: 95 Resp: 138803
Ion Ratio Lower Upper
95 100
174 91.8 0.0 182.0
176 89.2 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: VY013649.D

Acq: 08 May 2023 15:12

Instrument :

MSVOA_Y

ClientSampleId :

CLAY-LINER

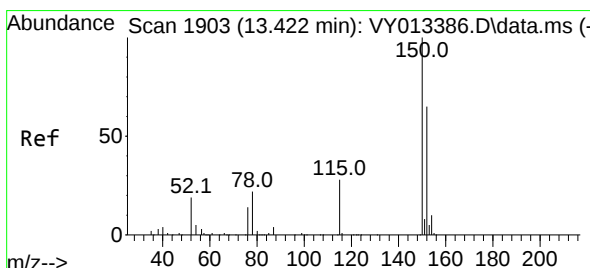
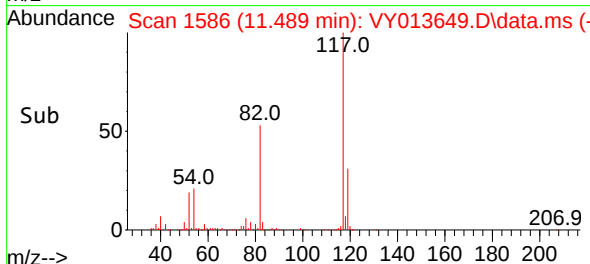
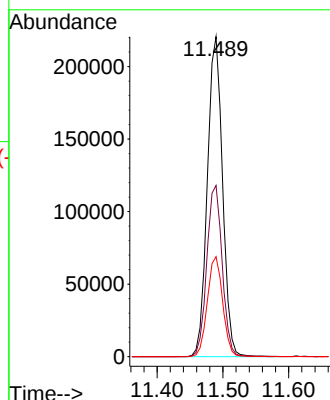
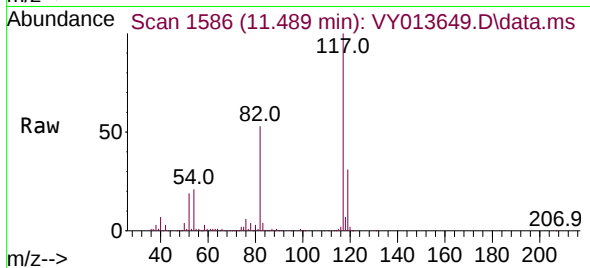
Tgt Ion:117 Resp: 354300

Ion Ratio Lower Upper

117 100

82 53.5 43.0 64.6

119 31.2 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013649.D

Acq: 08 May 2023 15:12

Tgt Ion:152 Resp: 139871

Ion Ratio Lower Upper

152 100

115 56.6 28.1 84.2

150 156.1 0.0 352.0

