

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042723\
 Data File : VY013510.D
 Acq On : 27 Apr 2023 22:21
 Operator : KP/MD
 Sample : 02502-03
 Misc : 5.64g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-511-VOC-01

Quant Time: Apr 28 01:36:16 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	209412	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	361156	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	355372	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	162322	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	151952	66.192	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	132.380%
35) Dibromofluoromethane	7.715	113	125903	55.427	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.860%
50) Toluene-d8	10.178	98	443972	54.942	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	109.880%
62) 4-Bromofluorobenzene	12.483	95	144790	53.150	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	106.300%

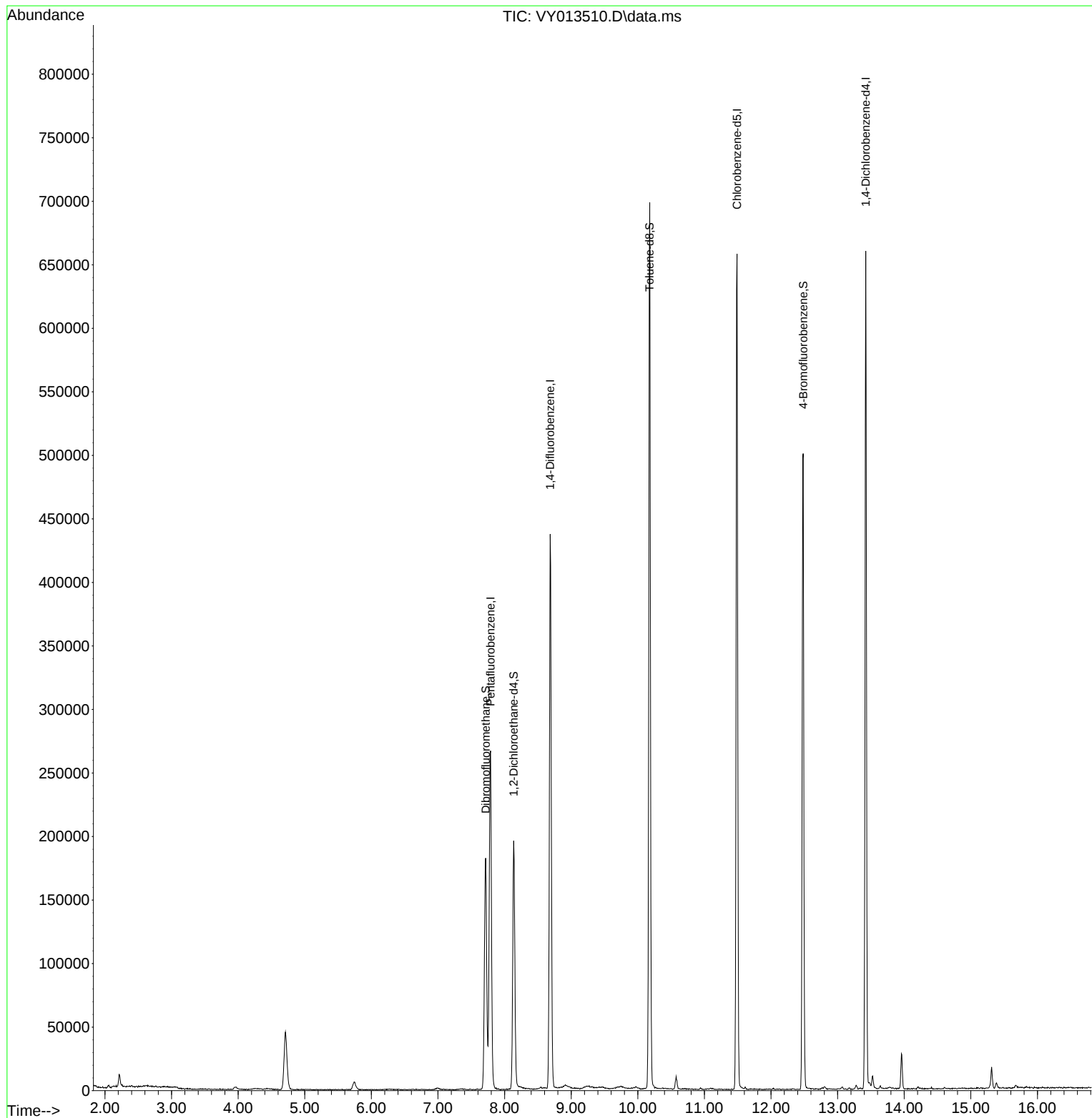
Target Compounds	Qvalue

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

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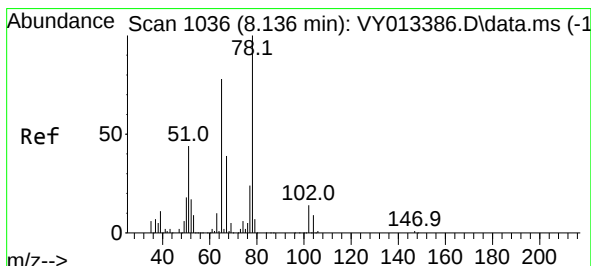
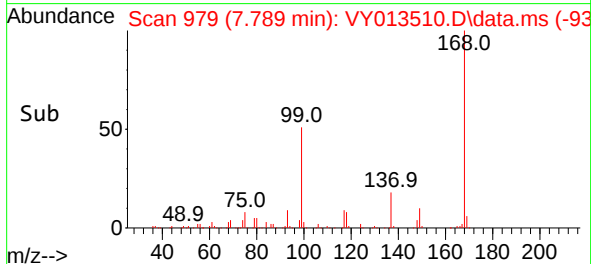
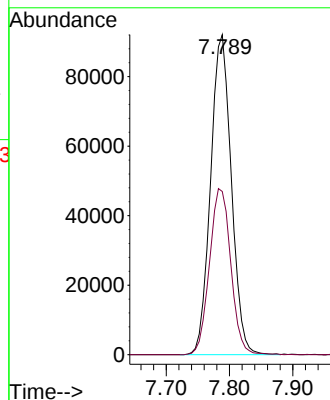
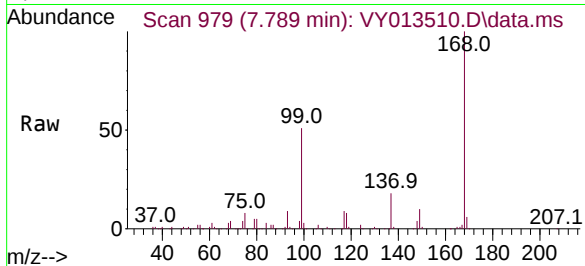




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013510.D
Acq: 27 Apr 2023 22:21

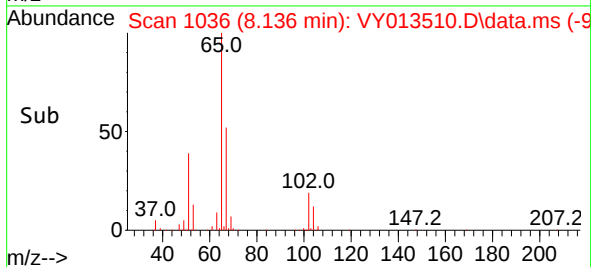
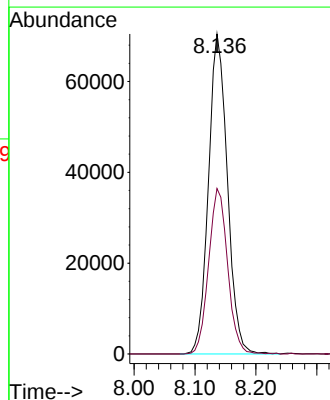
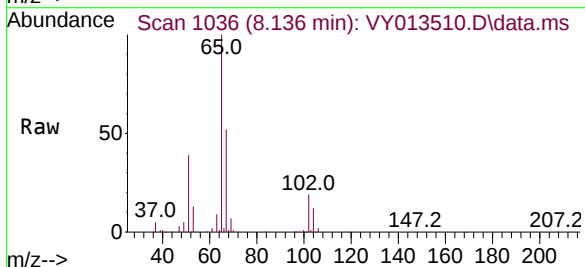
Instrument :
MSVOA_Y
ClientSampleId :
BU-511-VOC-01

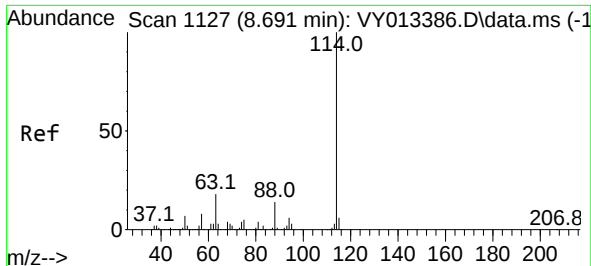
Tgt Ion:168 Resp: 209412
Ion Ratio Lower Upper
168 100
99 51.0 41.8 62.6



#33
1,2-Dichloroethane-d4
Concen: 66.192 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013510.D
Acq: 27 Apr 2023 22:21

Tgt Ion: 65 Resp: 151952
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.4

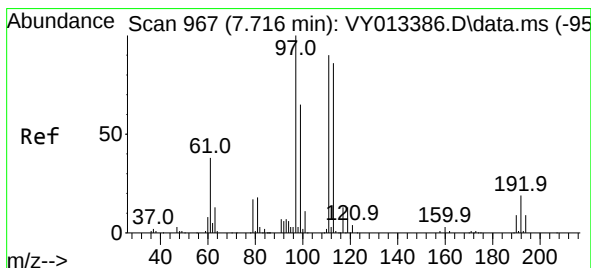
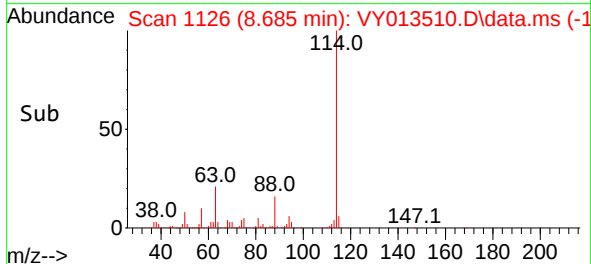
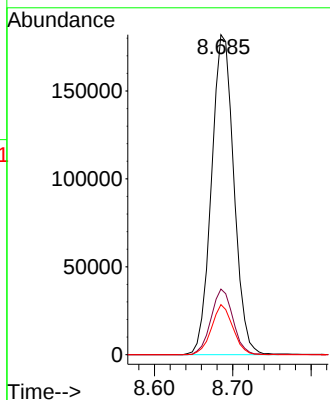
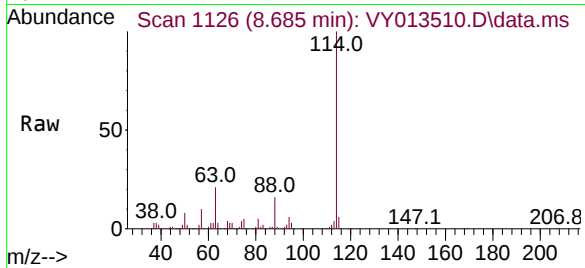




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY013510.D
Acq: 27 Apr 2023 22:21

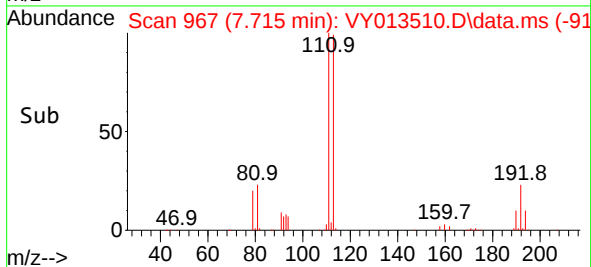
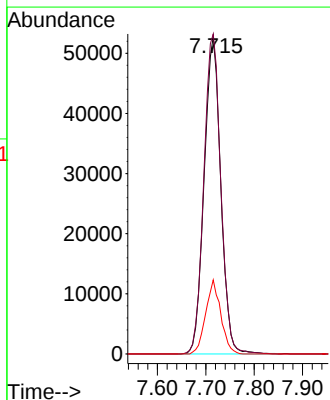
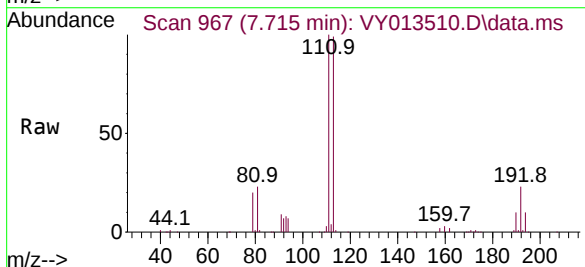
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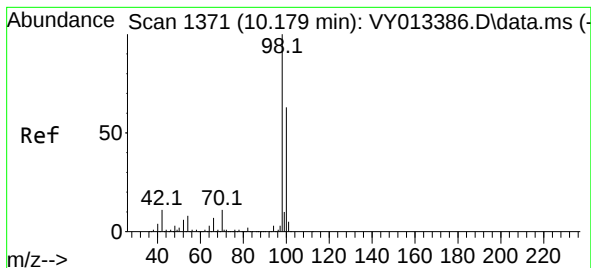
Tgt Ion:114 Resp: 361156
Ion Ratio Lower Upper
114 100
63 20.5 0.0 36.6
88 15.6 0.0 28.8



#35
Dibromofluoromethane
Concen: 55.427 ug/l
RT: 7.715 min Scan# 967
Delta R.T. -0.001 min
Lab File: VY013510.D
Acq: 27 Apr 2023 22:21

Tgt Ion:113 Resp: 125903
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 21.3 16.7 25.1

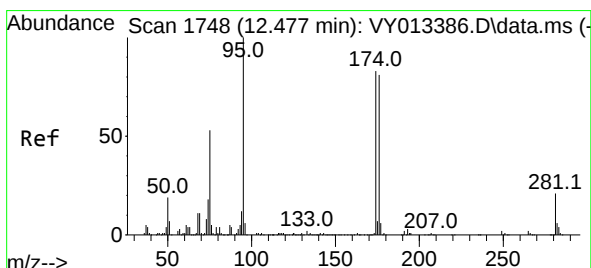
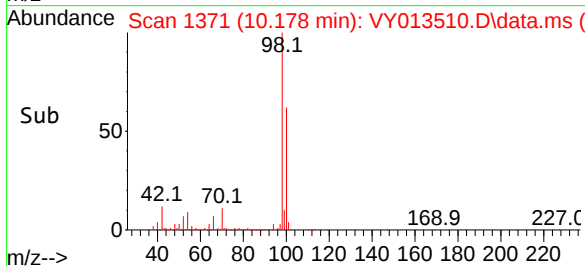
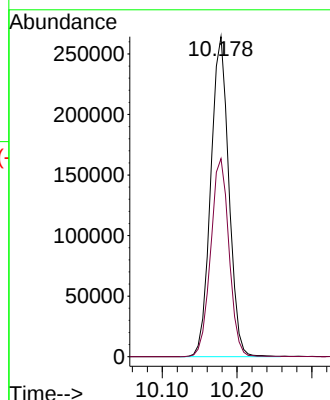
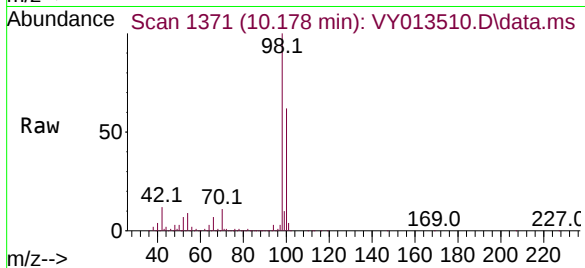




#50
Toluene-d8
Concen: 54.942 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY013510.D
Acq: 27 Apr 2023 22:21

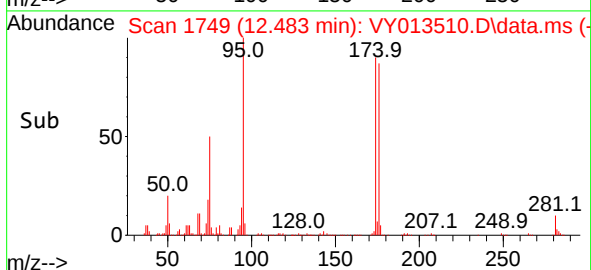
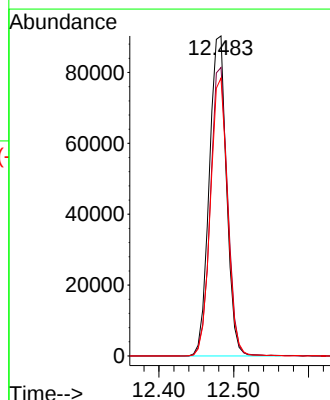
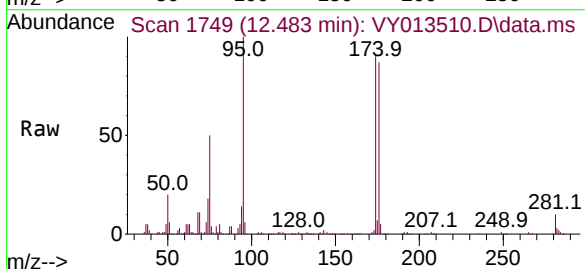
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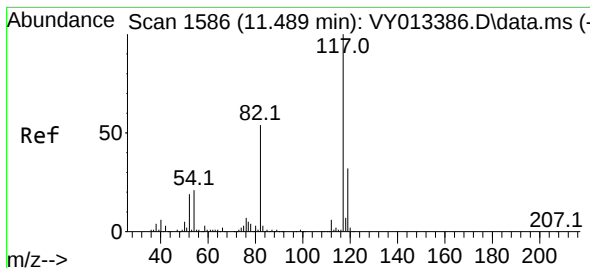
Tgt Ion: 98 Resp: 443972
Ion Ratio Lower Upper
98 100
100 62.7 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 53.150 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013510.D
Acq: 27 Apr 2023 22:21

Tgt Ion: 95 Resp: 144790
Ion Ratio Lower Upper
95 100
174 90.1 0.0 182.0
176 86.6 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: VY013510.D

Acq: 27 Apr 2023 22:21

Instrument :

MSVOA_Y

ClientSampleId :

BU-511-VOC-01

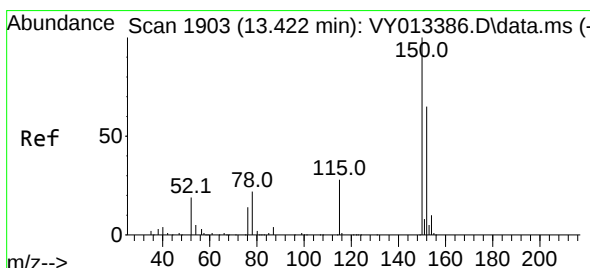
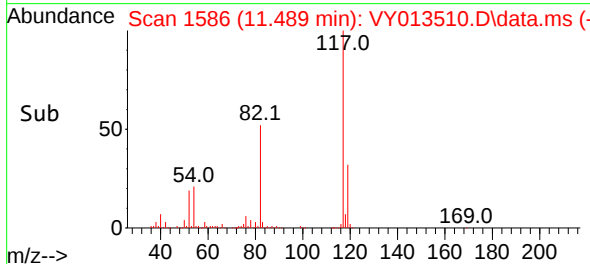
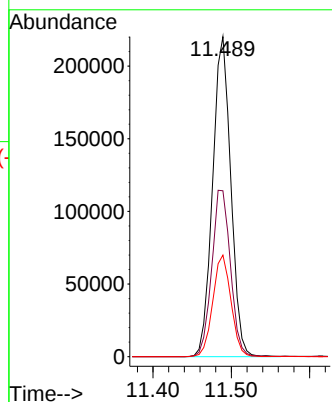
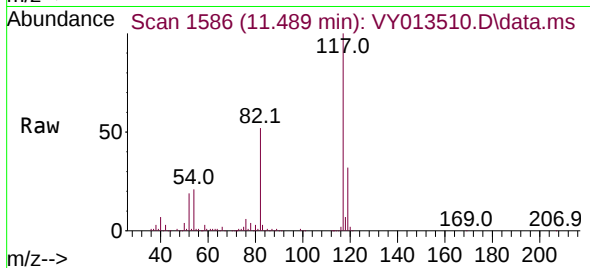
Tgt Ion:117 Resp: 355372

Ion Ratio Lower Upper

117 100

82 51.8 43.0 64.6

119 31.8 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: VY013510.D

Acq: 27 Apr 2023 22:21

Tgt Ion:152 Resp: 162322

Ion Ratio Lower Upper

152 100

115 56.5 28.1 84.2

150 156.0 0.0 352.0

