

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092723\
 Data File : VY015737.D
 Acq On : 27 Sep 2023 20:15
 Operator : SY/MD
 Sample : 04627-23
 Misc : 5.48g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 280-300FB-BACKFILL-12

Quant Time: Sep 28 00:50:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	116984	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	206983	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.495	117	192776	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	87701	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	80290	62.378	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	124.760%
35) Dibromofluoromethane	7.728	113	68097	54.967	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.940%
50) Toluene-d8	10.185	98	244750	58.266	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	116.540%
62) 4-Bromofluorobenzene	12.489	95	80486	48.826	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.660%

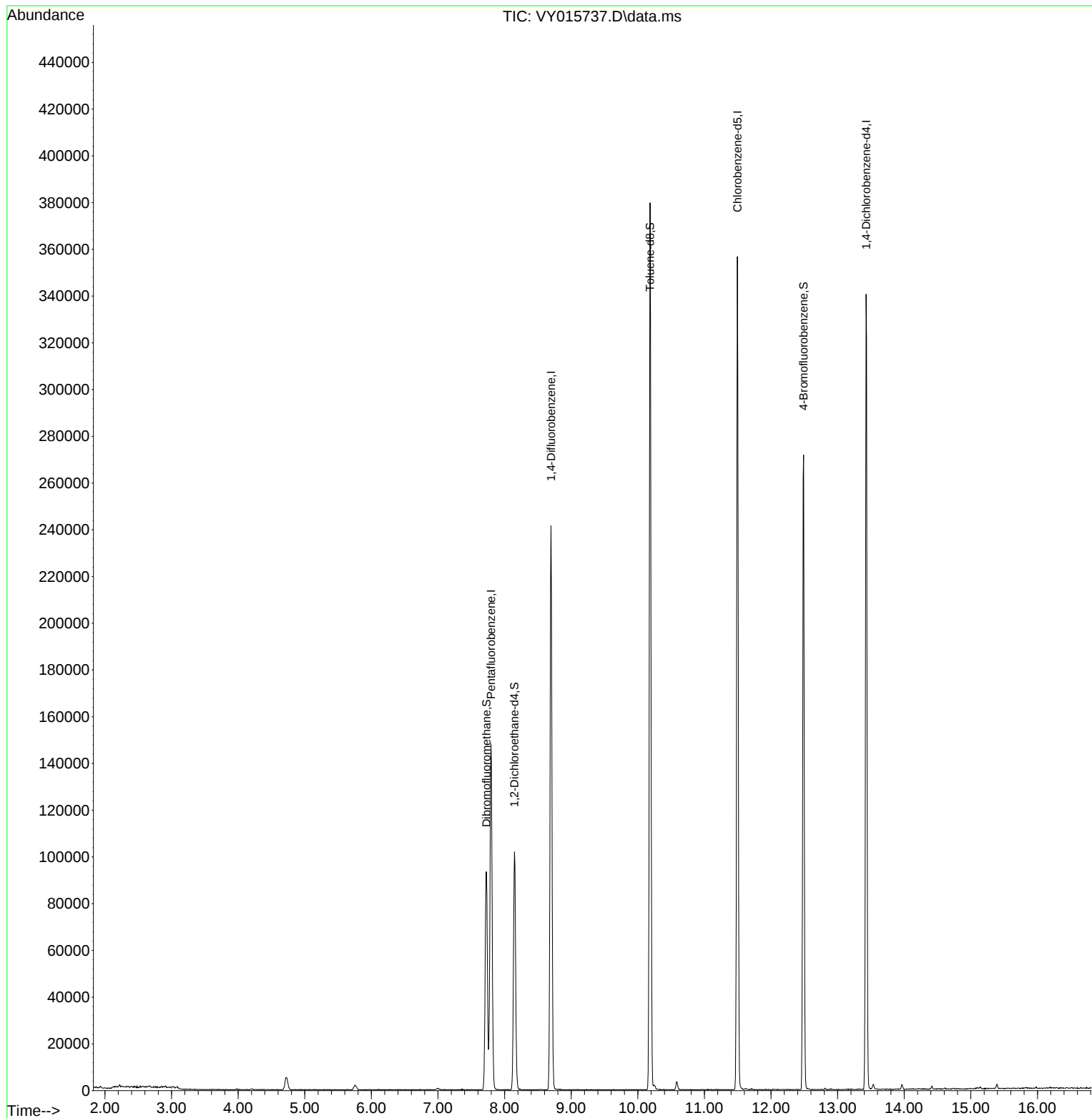
Target Compounds	Qvalue

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

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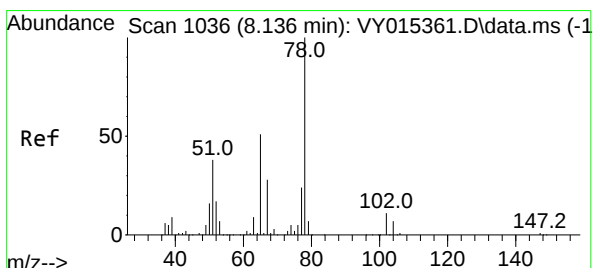
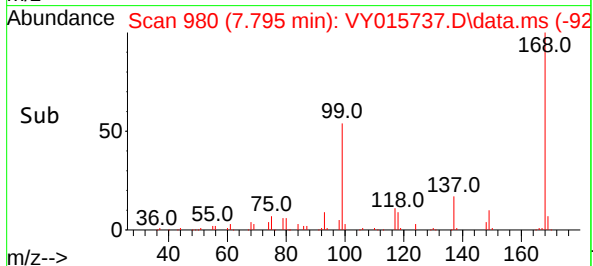
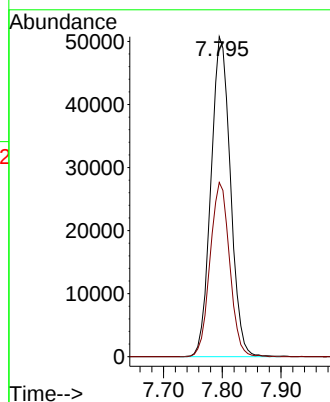
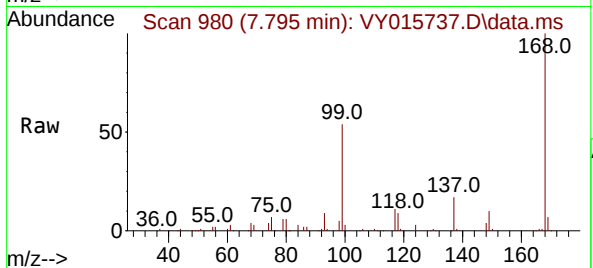




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015737.D
Acq: 27 Sep 2023 20:15

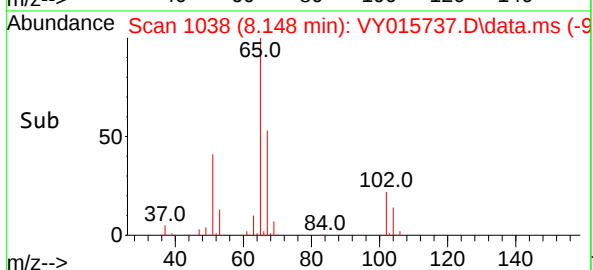
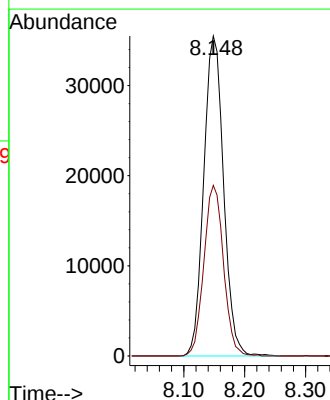
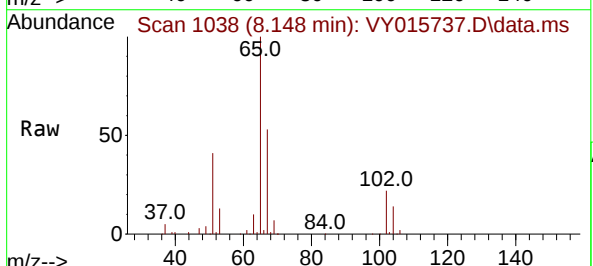
Instrument :
MSVOA_Y
ClientSampleId :
280-300FB-BACKFILL-12

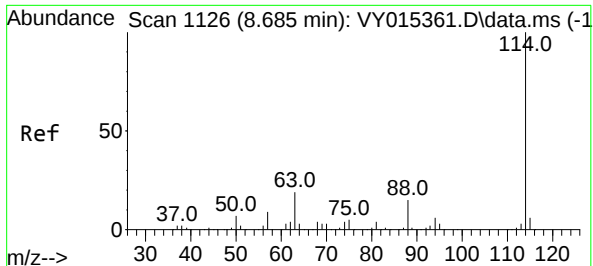
Tgt Ion:168 Resp: 116984
Ion Ratio Lower Upper
168 100
99 54.5 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 62.378 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. 0.012 min
Lab File: VY015737.D
Acq: 27 Sep 2023 20:15

Tgt Ion: 65 Resp: 80290
Ion Ratio Lower Upper
65 100
67 52.8 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.012 min

Lab File: VY015737.D

Acq: 27 Sep 2023 20:15

Instrument :

MSVOA_Y

ClientSampleId :

280-300FB-BACKFILL-12

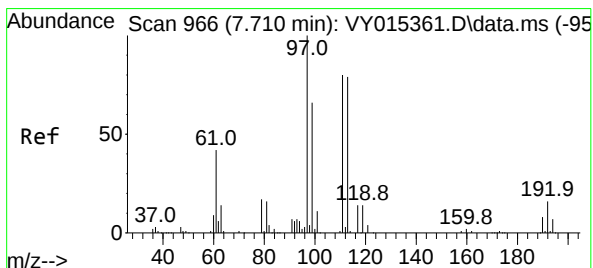
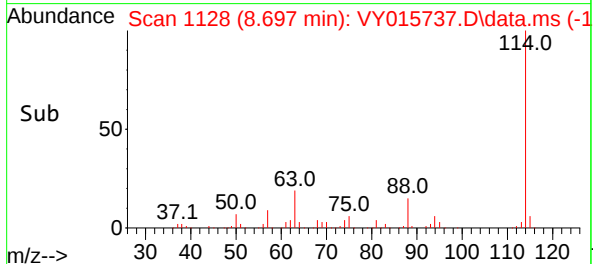
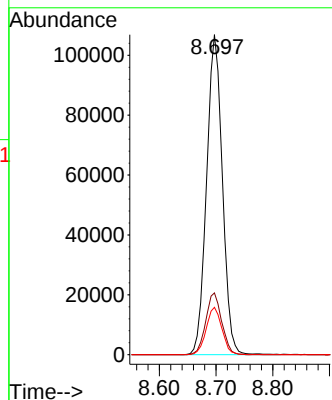
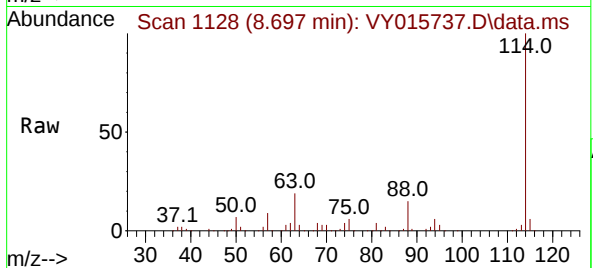
Tgt Ion:114 Resp: 206983

Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.4

88 14.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.967 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY015737.D

Acq: 27 Sep 2023 20:15

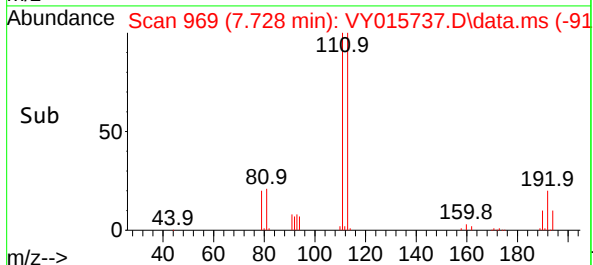
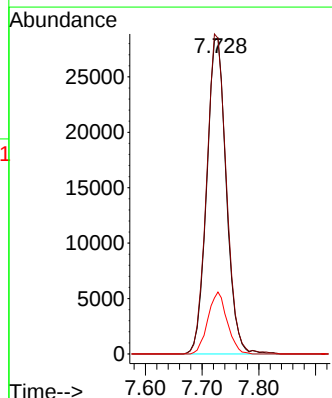
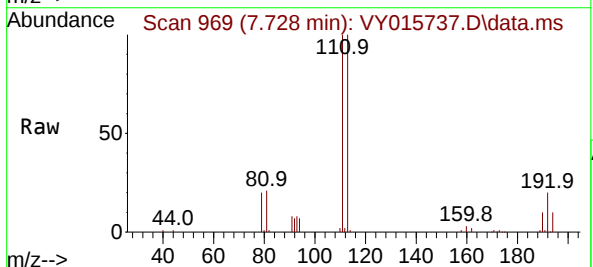
Tgt Ion:113 Resp: 68097

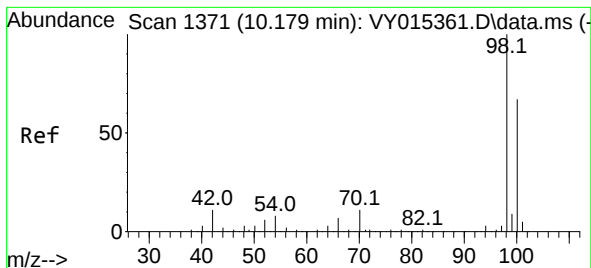
Ion Ratio Lower Upper

113 100

111 102.1 81.3 121.9

192 19.3 16.9 25.3





#50

Toluene-d8

Concen: 58.266 ug/l

RT: 10.185 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015737.D

Acq: 27 Sep 2023 20:15

Instrument :

MSVOA_Y

ClientSampleId :

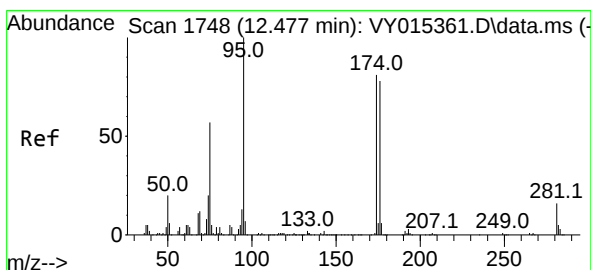
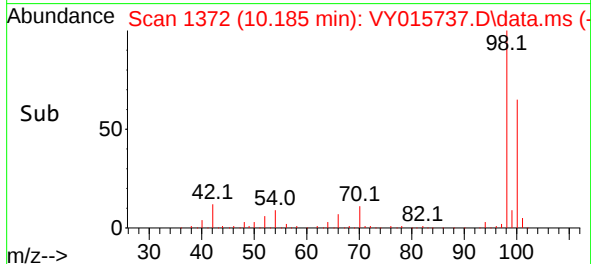
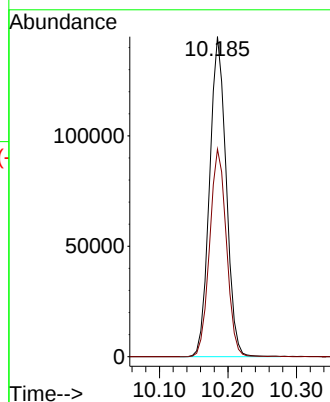
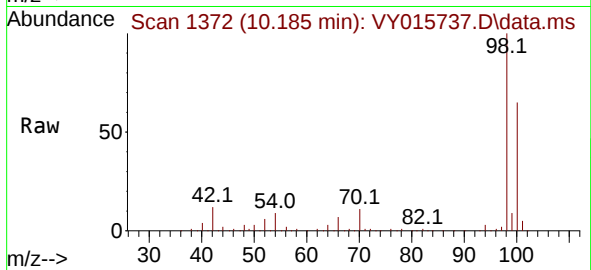
280-300FB-BACKFILL-12

Tgt Ion: 98 Resp: 244750

Ion Ratio Lower Upper

98 100

100 65.2 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 48.826 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.012 min

Lab File: VY015737.D

Acq: 27 Sep 2023 20:15

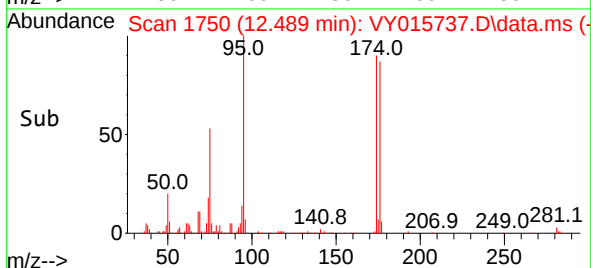
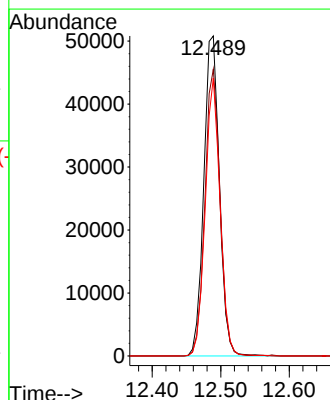
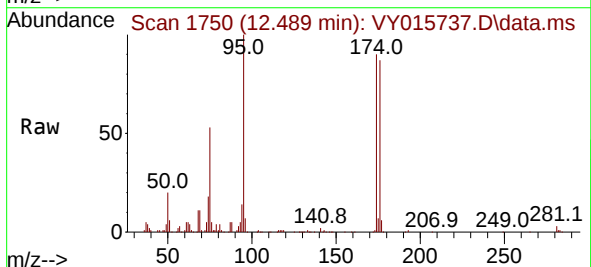
Tgt Ion: 95 Resp: 80486

Ion Ratio Lower Upper

95 100

174 87.3 0.0 178.2

176 83.1 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015737.D

Acq: 27 Sep 2023 20:15

Instrument :

MSVOA_Y

ClientSampleId :

280-300FB-BACKFILL-12

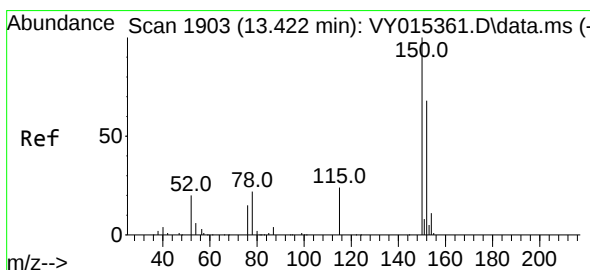
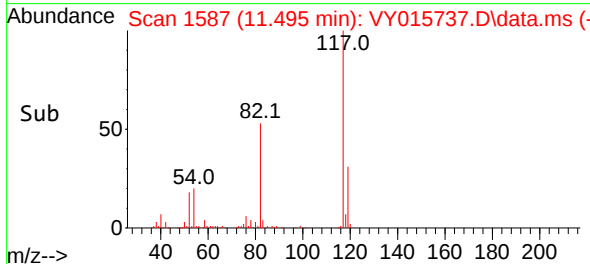
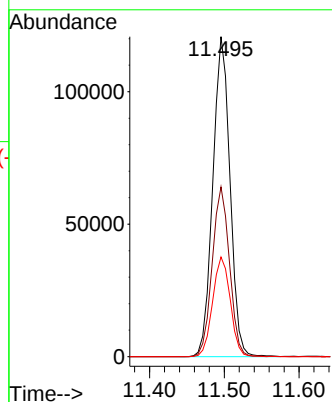
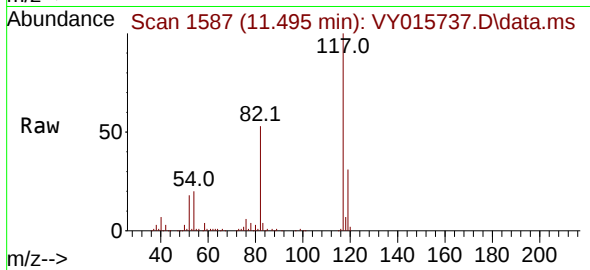
Tgt Ion:117 Resp: 192776

Ion Ratio Lower Upper

117 100

82 53.0 43.4 65.0

119 31.1 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY015737.D

Acq: 27 Sep 2023 20:15

Tgt Ion:152 Resp: 87701

Ion Ratio Lower Upper

152 100

115 57.9 28.8 86.5

150 159.9 0.0 348.8

