

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092723\
 Data File : VY015727.D
 Acq On : 27 Sep 2023 16:23
 Operator : SY/MD
 Sample : 04627-03
 Misc : 4.86g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 280-300FB-BACKFILL-02

Quant Time: Sep 28 00:47:05 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	7.825	168	111390	50.000	ug/l	0.04
34) 1,4-Difluorobenzene	8.716	114	194925	50.000	ug/l	0.03
63) Chlorobenzene-d5	11.502	117	182117	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.428	152	88404	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	74347	60.662	ug/l	0.03
Spiked Amount	50.000	Range	50 - 163	Recovery	=	121.320%
35) Dibromofluoromethane	7.752	113	62504	53.574	ug/l	0.04
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.140%
50) Toluene-d8	10.191	98	229249	57.952	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	115.900%
62) 4-Bromofluorobenzene	12.489	95	80514	51.864	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	103.720%

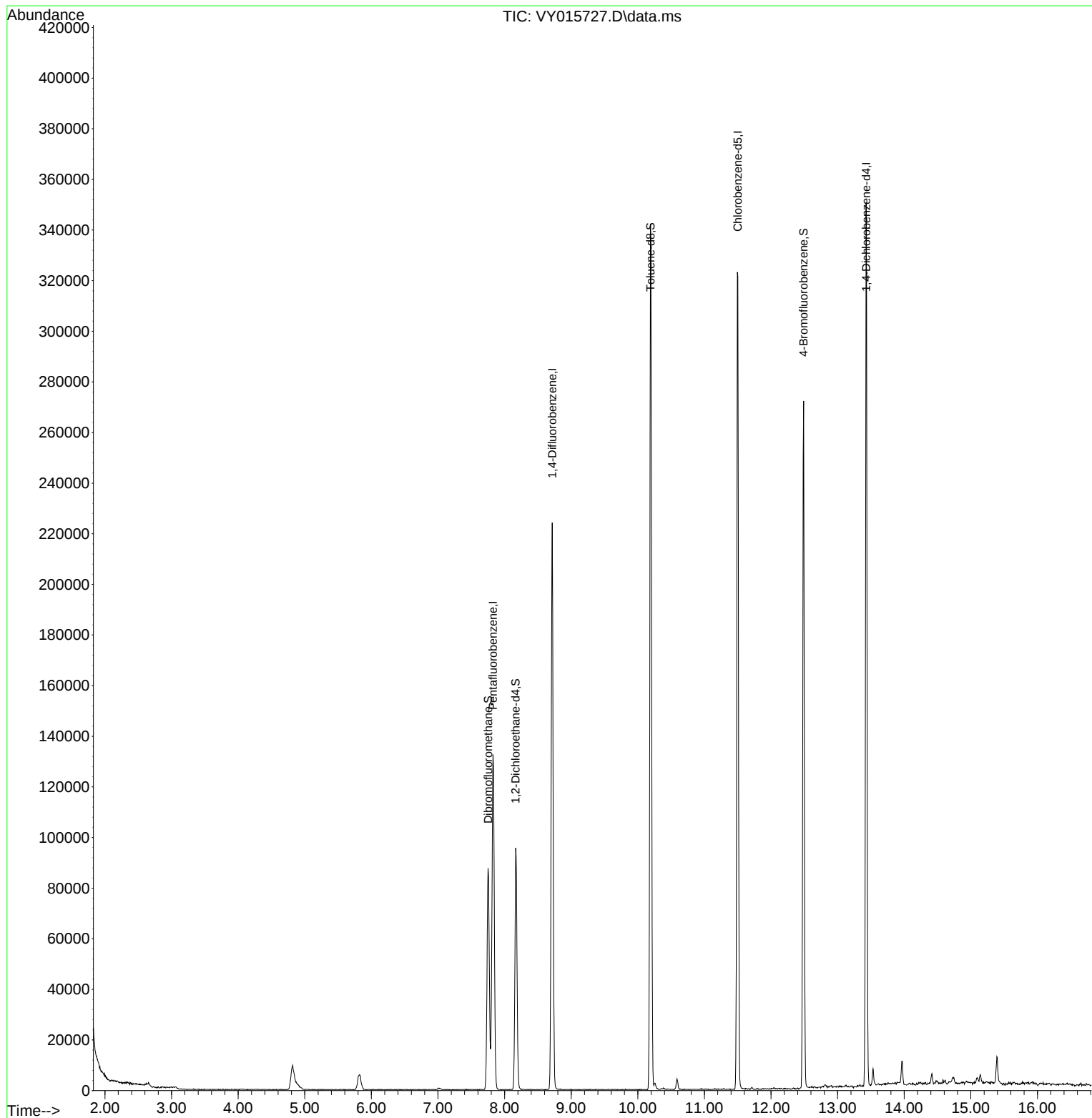
Target Compounds	Qvalue

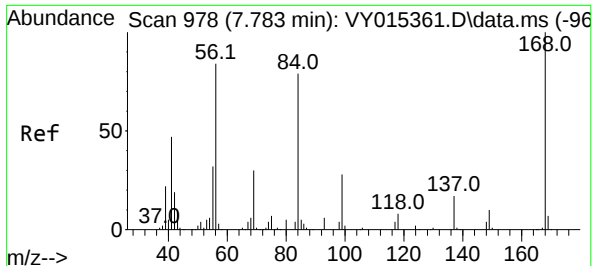
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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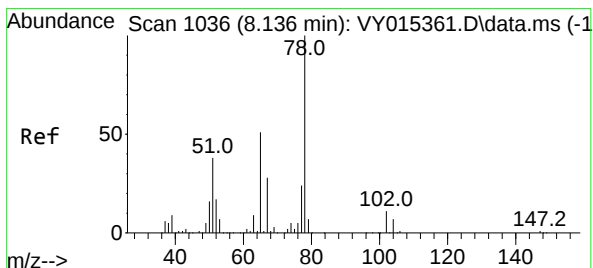
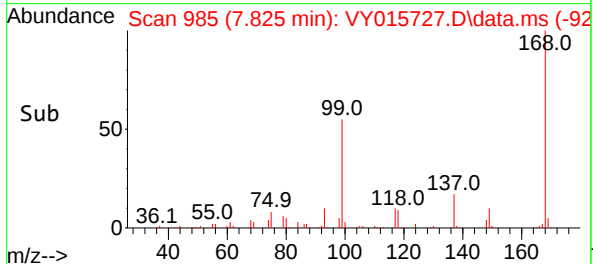
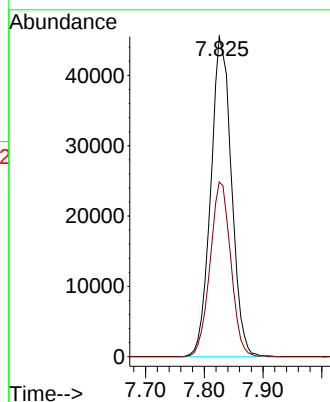
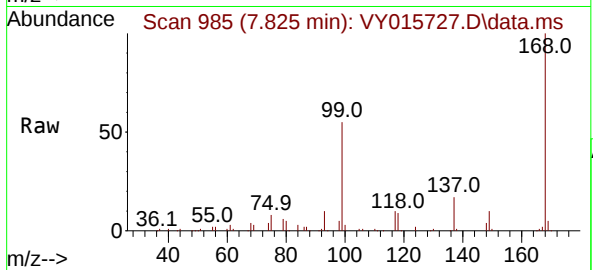




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.825 min Scan# 91
Delta R.T. 0.042 min
Lab File: VY015727.D
Acq: 27 Sep 2023 16:23

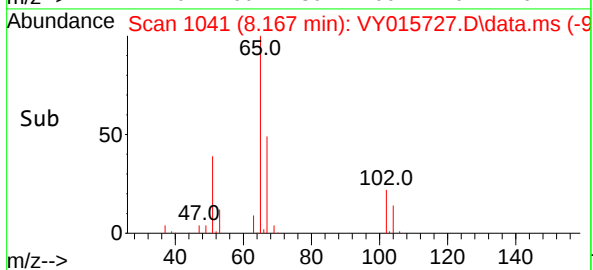
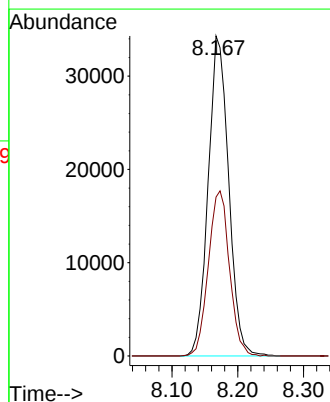
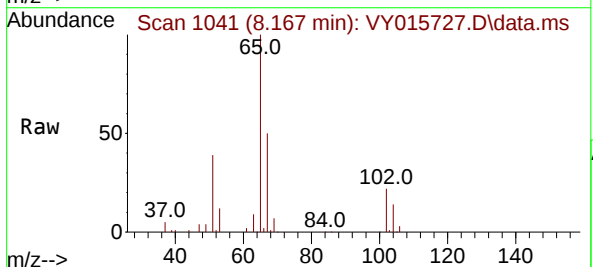
Instrument :
MSVOA_Y
ClientSampleId :
280-300FB-BACKFILL-02

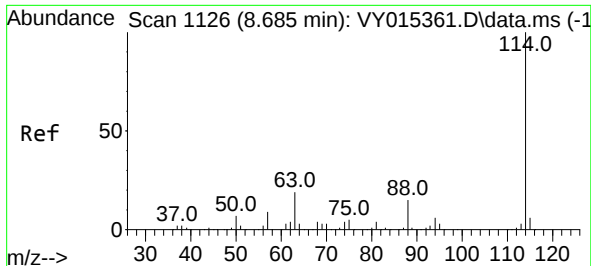
Tgt Ion:168 Resp: 111390
Ion Ratio Lower Upper
168 100
99 54.6 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 60.662 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.031 min
Lab File: VY015727.D
Acq: 27 Sep 2023 16:23

Tgt Ion: 65 Resp: 74347
Ion Ratio Lower Upper
65 100
67 53.2 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.716 min Scan# 11

Delta R.T. 0.031 min

Lab File: VY015727.D

Acq: 27 Sep 2023 16:23

Instrument :

MSVOA_Y

ClientSampleId :

280-300FB-BACKFILL-02

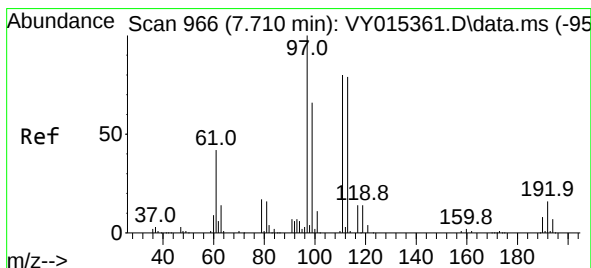
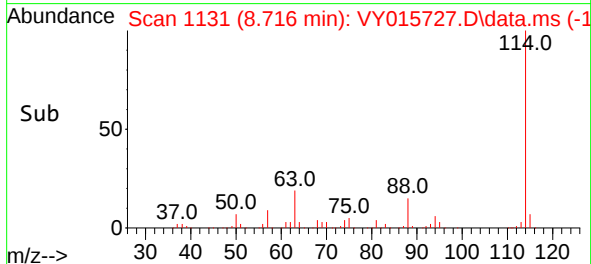
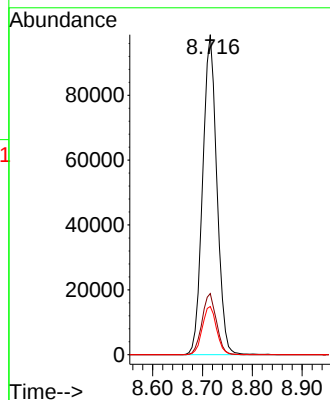
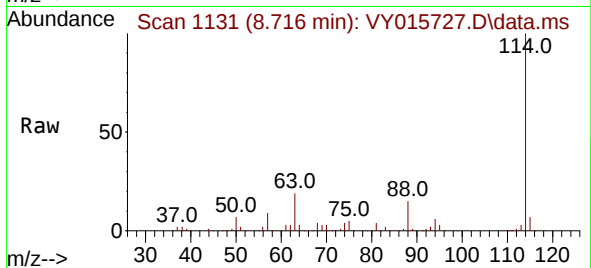
Tgt Ion:114 Resp: 194925

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.574 ug/l

RT: 7.752 min Scan# 973

Delta R.T. 0.036 min

Lab File: VY015727.D

Acq: 27 Sep 2023 16:23

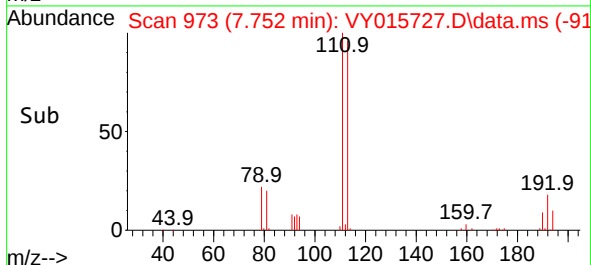
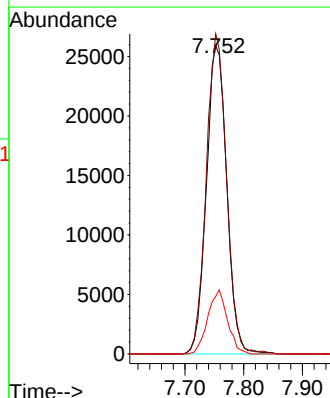
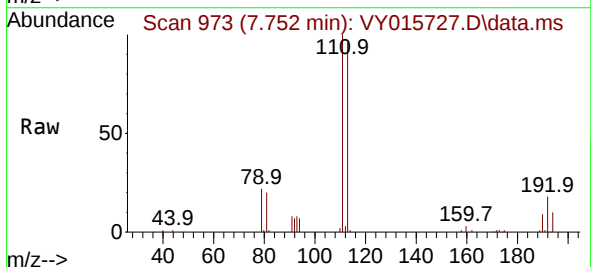
Tgt Ion:113 Resp: 62504

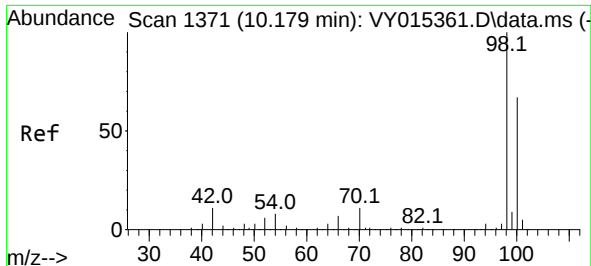
Ion Ratio Lower Upper

113 100

111 103.2 81.3 121.9

192 20.1 16.9 25.3

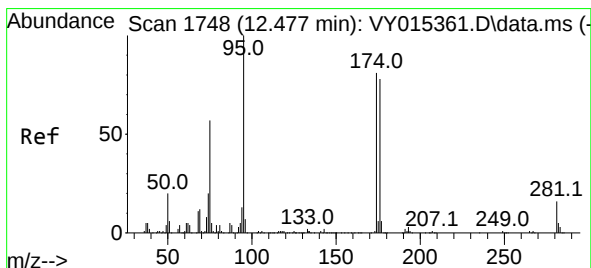
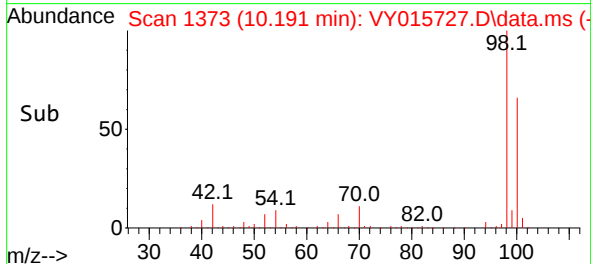
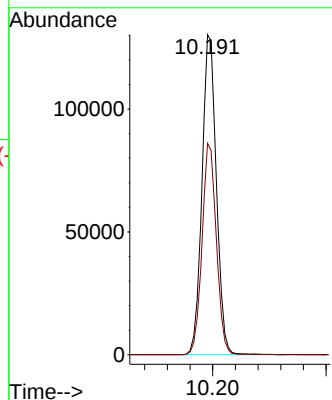
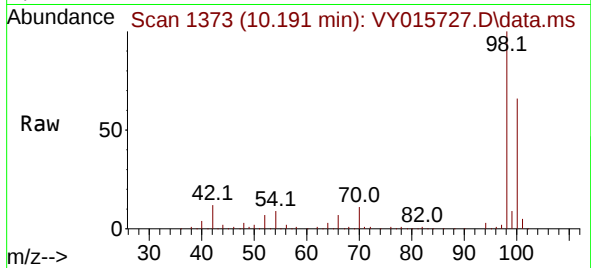




#50
Toluene-d8
Concen: 57.952 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY015727.D
Acq: 27 Sep 2023 16:23

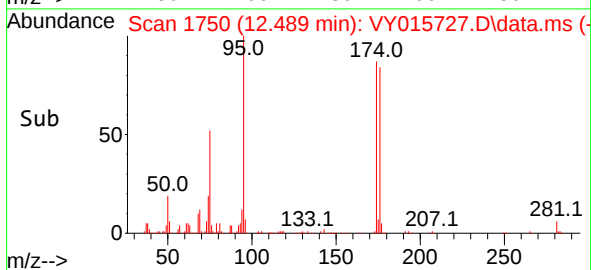
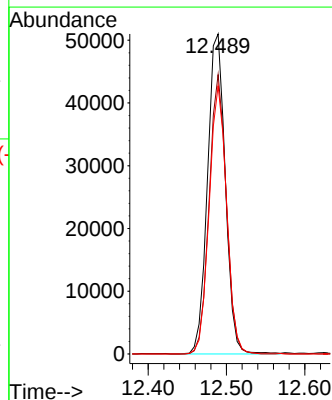
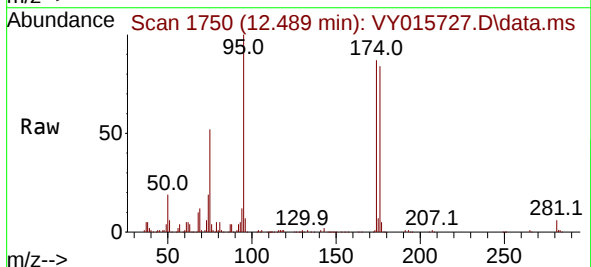
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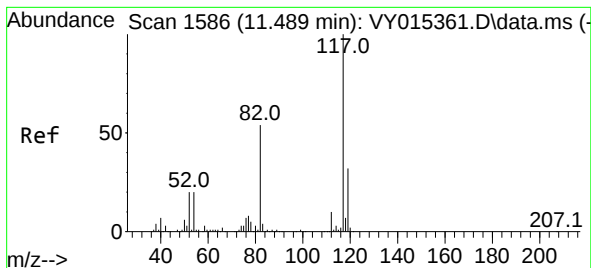
Tgt Ion: 98 Resp: 229249
Ion Ratio Lower Upper
98 100
100 65.7 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 51.864 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.012 min
Lab File: VY015727.D
Acq: 27 Sep 2023 16:23

Tgt Ion: 95 Resp: 80514
Ion Ratio Lower Upper
95 100
174 84.2 0.0 178.2
176 82.0 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. 0.013 min

Lab File: VY015727.D

Acq: 27 Sep 2023 16:23

Instrument :

MSVOA_Y

ClientSampleId :

280-300FB-BACKFILL-02

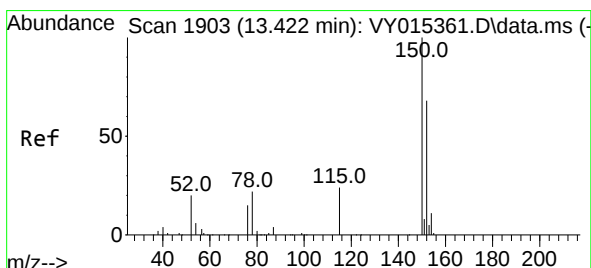
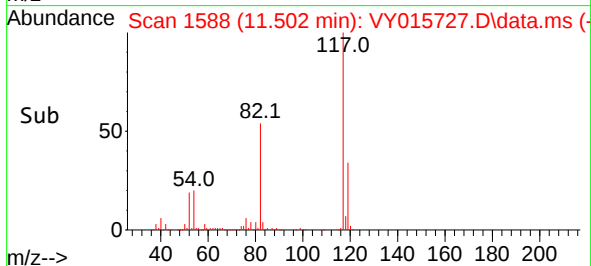
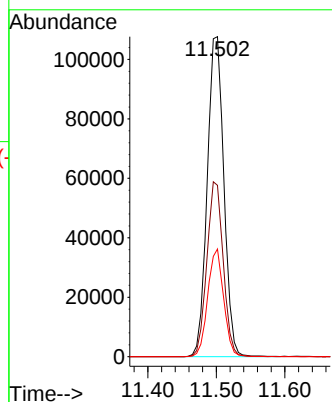
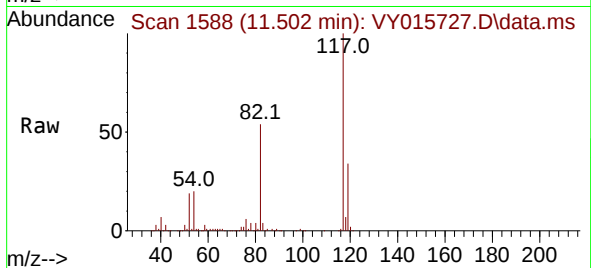
Tgt Ion:117 Resp: 182117

Ion Ratio Lower Upper

117 100

82 53.6 43.4 65.0

119 33.6 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: VY015727.D

Acq: 27 Sep 2023 16:23

Tgt Ion:152 Resp: 88404

Ion Ratio Lower Upper

152 100

115 58.2 28.8 86.5

150 155.3 0.0 348.8

