

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122723\
 Data File : VY016869.D
 Acq On : 27 Dec 2023 11:52
 Operator : SY/MD
 Sample : 05933-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S-1-SOUTH-SIDE

Quant Time: Dec 27 14:26:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	102648	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	220471	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.496	117	215558	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	79993	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	56899	60.720	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	121.440%
35) Dibromofluoromethane	7.716	113	61950	49.053	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.100%
50) Toluene-d8	10.185	98	222418	48.854	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.700%
62) 4-Bromofluorobenzene	12.483	95	68775	46.563	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.120%

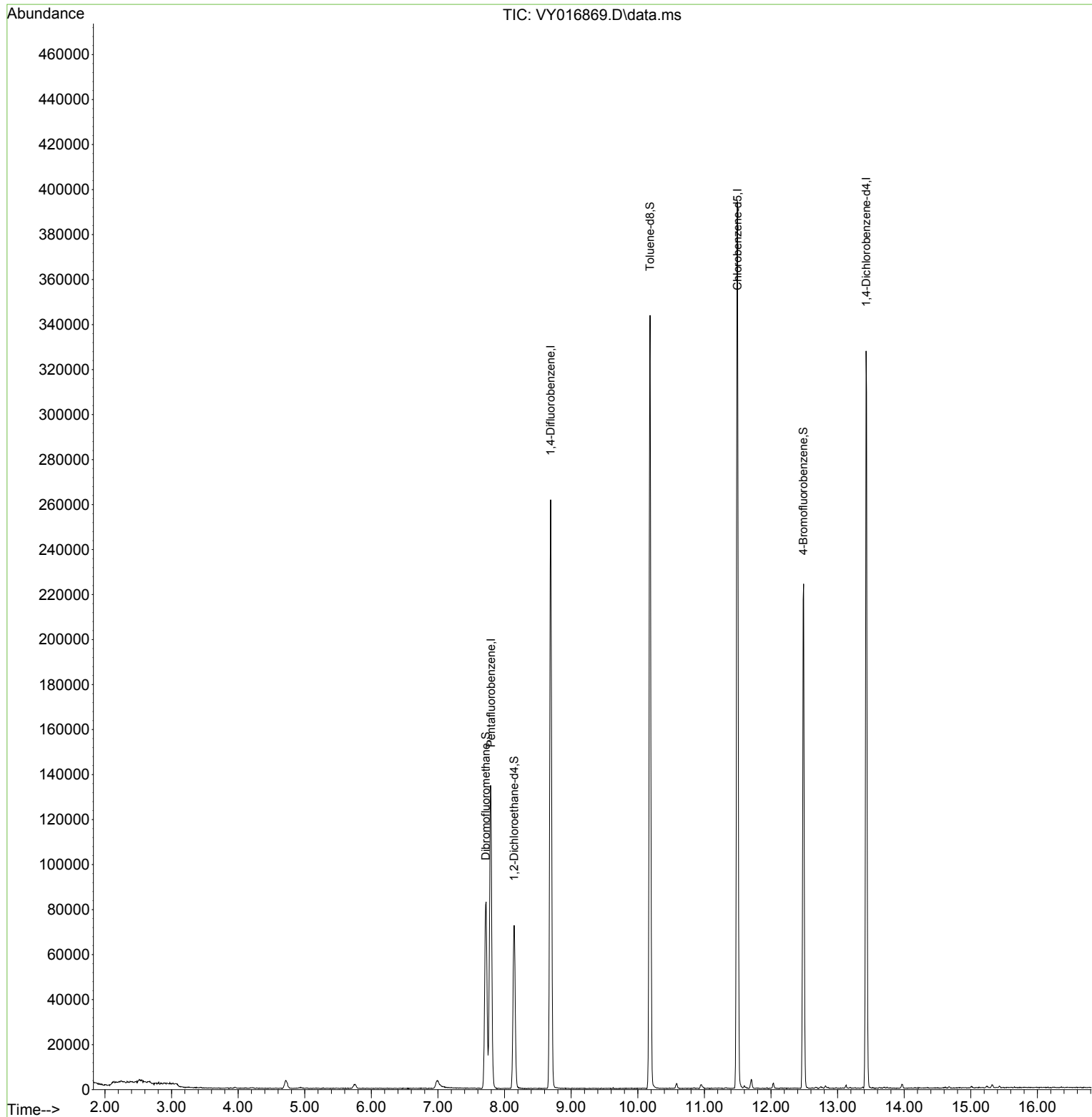
Target Compounds	Qvalue

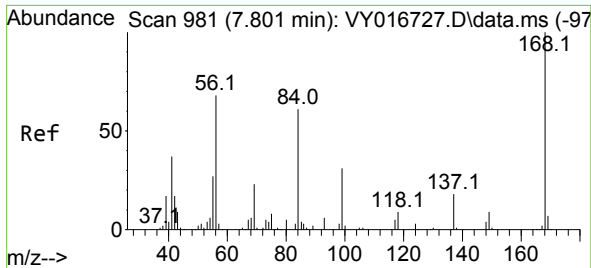
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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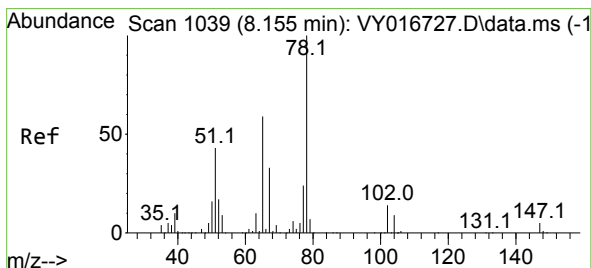
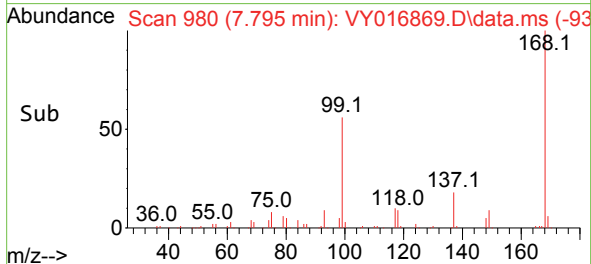
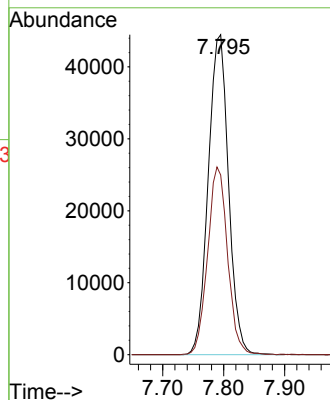
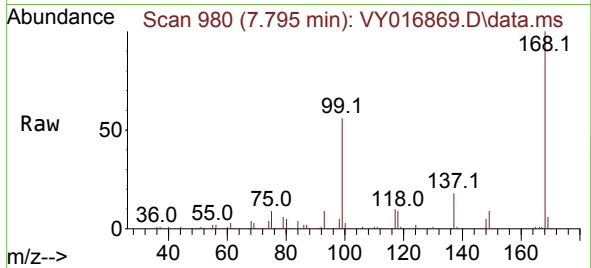




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016869.D
Acq: 27 Dec 2023 11:52

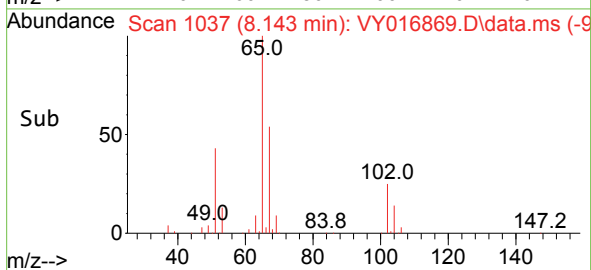
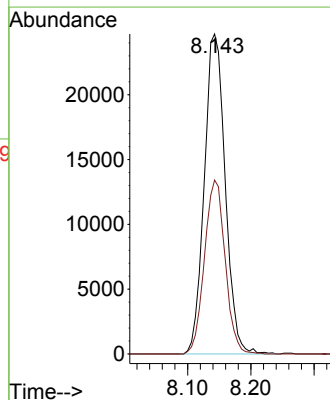
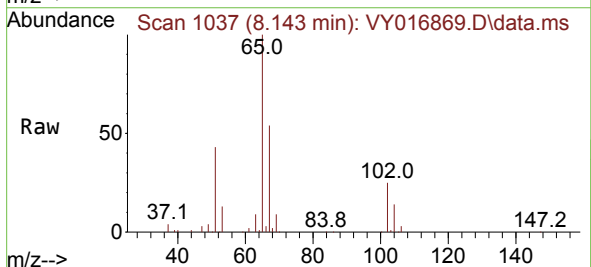
Instrument :
MSVOA_Y
ClientSampleId :
S-1-SOUTH-SIDE

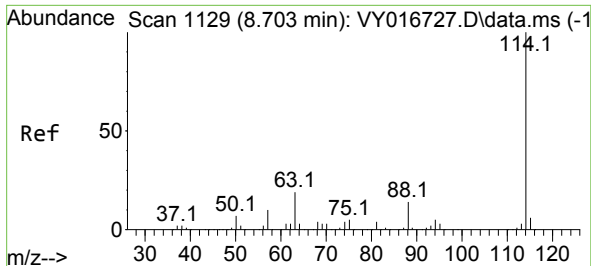
Tgt Ion:168 Resp: 102648
Ion Ratio Lower Upper
168 100
99 56.1 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 60.720 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.012 min
Lab File: VY016869.D
Acq: 27 Dec 2023 11:52

Tgt Ion: 65 Resp: 56899
Ion Ratio Lower Upper
65 100
67 53.7 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1129

Delta R.T. -0.012 min

Lab File: VY016869.D

Acq: 27 Dec 2023 11:52

Instrument :

MSVOA_Y

ClientSampleId :

S-1-SOUTH-SIDE

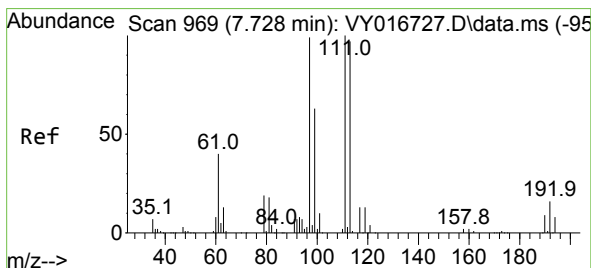
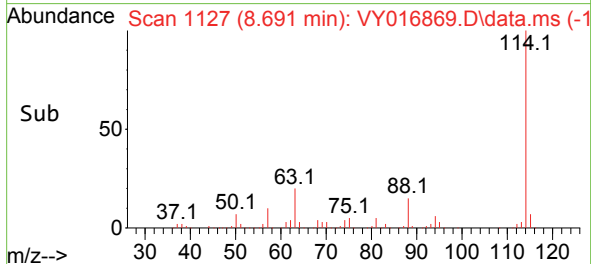
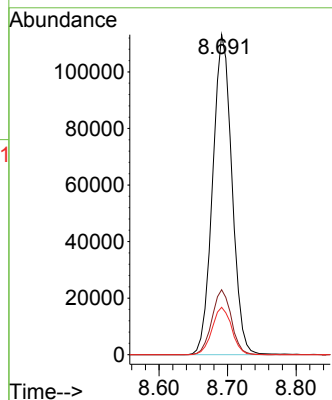
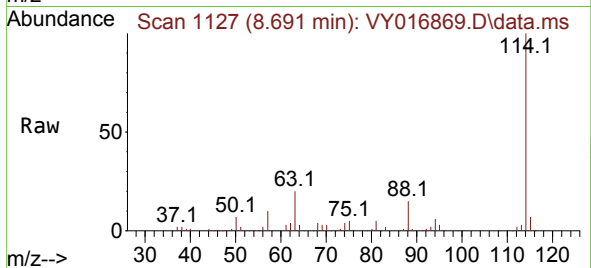
Tgt Ion:114 Resp: 220471

Ion Ratio Lower Upper

114 100

63 20.3 0.0 37.4

88 14.8 0.0 29.0



#35

Dibromofluoromethane

Concen: 49.053 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.012 min

Lab File: VY016869.D

Acq: 27 Dec 2023 11:52

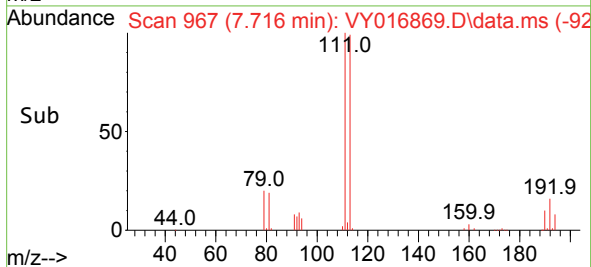
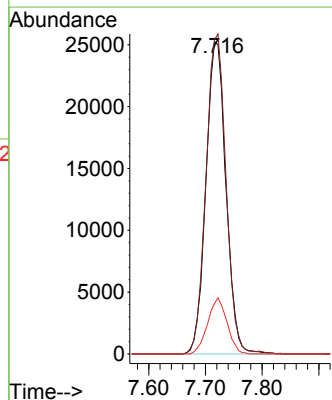
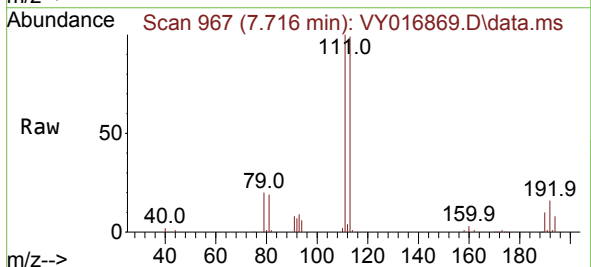
Tgt Ion:113 Resp: 61950

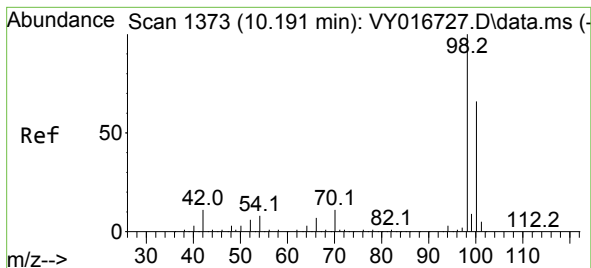
Ion Ratio Lower Upper

113 100

111 102.6 83.8 125.6

192 17.4 14.5 21.7





#50

Toluene-d8

Concen: 48.854 ug/l

RT: 10.185 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY016869.D

Acq: 27 Dec 2023 11:52

Instrument :

MSVOA_Y

ClientSampleId :

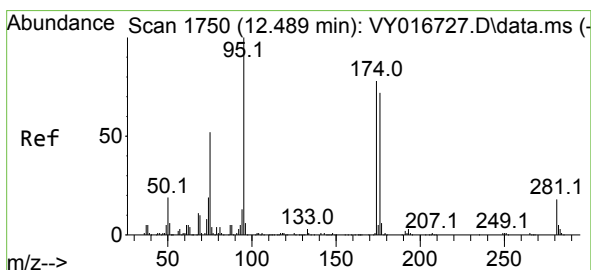
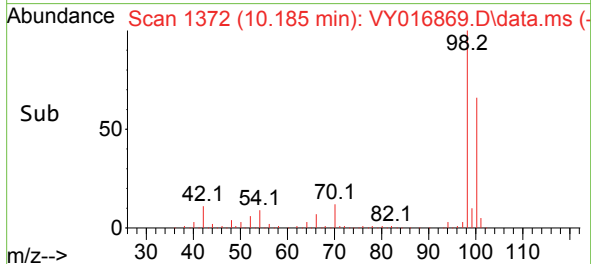
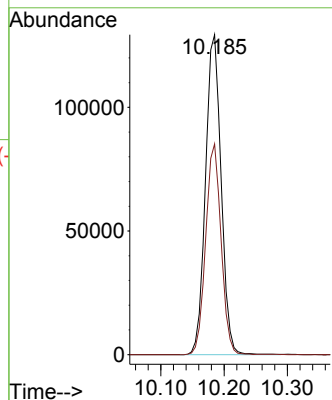
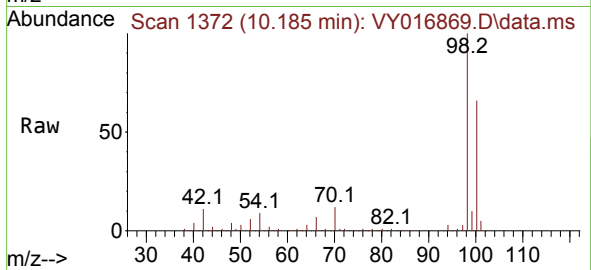
S-1-SOUTH-SIDE

Tgt Ion: 98 Resp: 222418

Ion Ratio Lower Upper

98 100

100 64.9 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 46.563 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.006 min

Lab File: VY016869.D

Acq: 27 Dec 2023 11:52

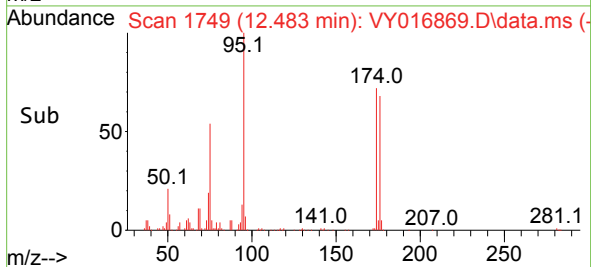
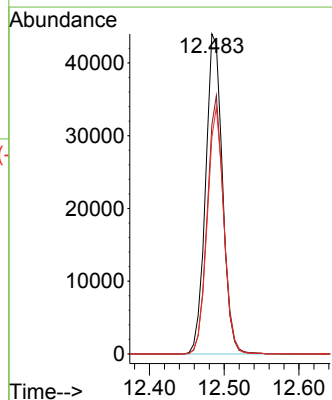
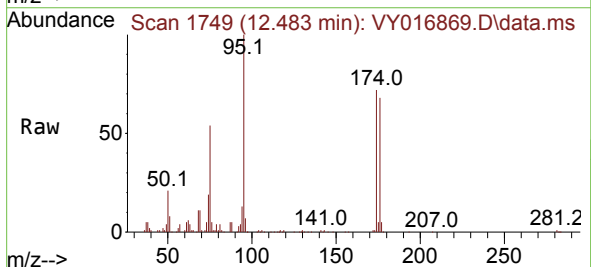
Tgt Ion: 95 Resp: 68775

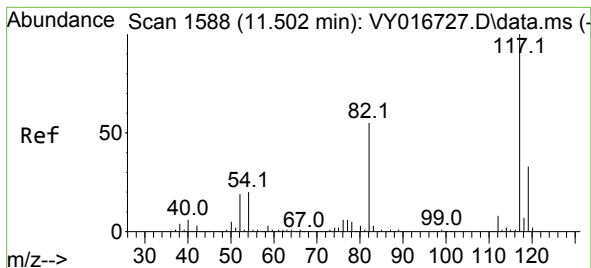
Ion Ratio Lower Upper

95 100

174 78.7 0.0 160.0

176 75.6 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016869.D

Acq: 27 Dec 2023 11:52

Instrument :

MSVOA_Y

ClientSampleId :

S-1-SOUTH-SIDE

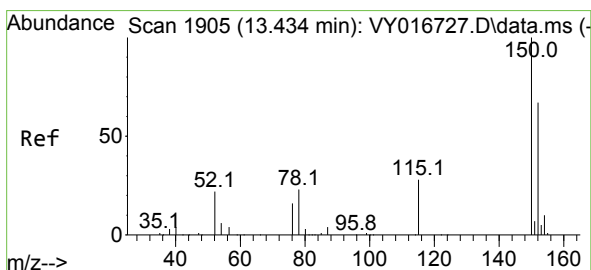
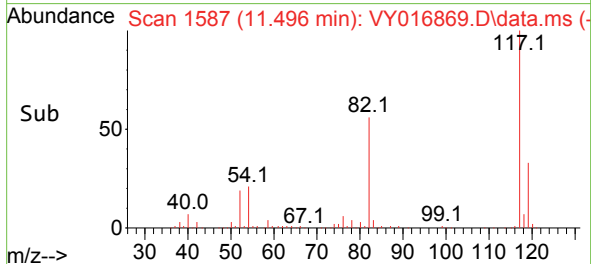
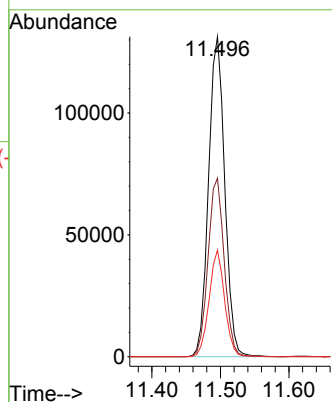
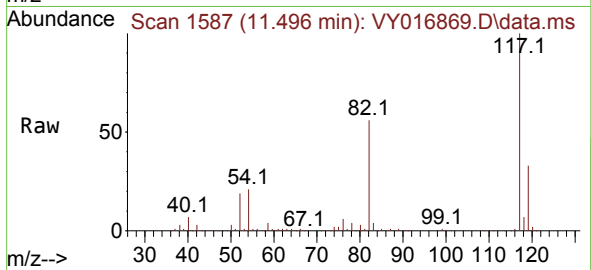
Tgt Ion:117 Resp: 215558

Ion Ratio Lower Upper

117 100

82 55.8 43.8 65.8

119 33.3 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY016869.D

Acq: 27 Dec 2023 11:52

Tgt Ion:152 Resp: 79993

Ion Ratio Lower Upper

152 100

115 58.7 30.0 90.0

150 157.6 0.0 344.6

