

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122723\
 Data File : VY016872.D
 Acq On : 27 Dec 2023 13:02
 Operator : SY/MD
 Sample : 06027-03
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PIERS

Quant Time: Dec 28 03:44:11 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	7.801	168	100698	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	221723	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	219131	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	85650	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	57973	63.064	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	126.120%
35) Dibromofluoromethane	7.722	113	33277	26.201	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	52.400%#
50) Toluene-d8	10.185	98	221968	48.480	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.960%
62) 4-Bromofluorobenzene	12.489	95	71274	47.983	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.960%

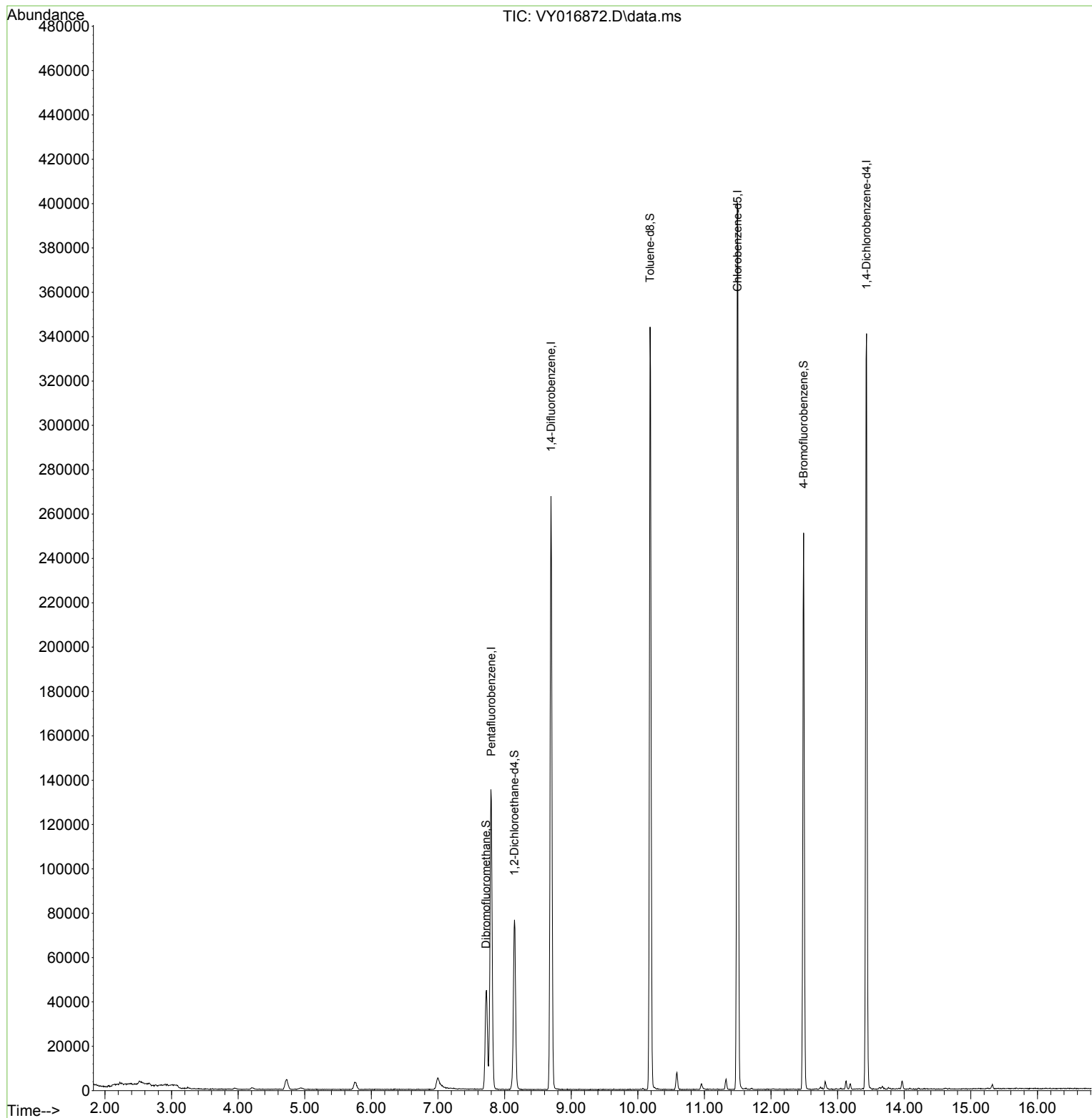
Target Compounds	Qvalue

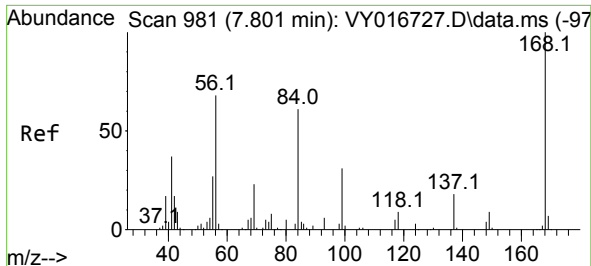
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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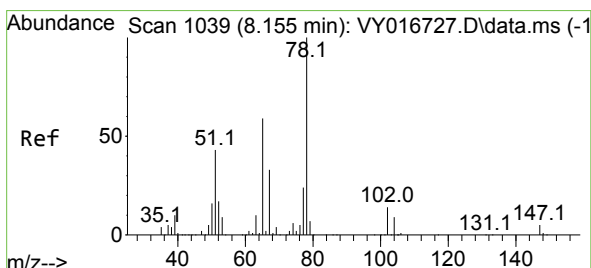
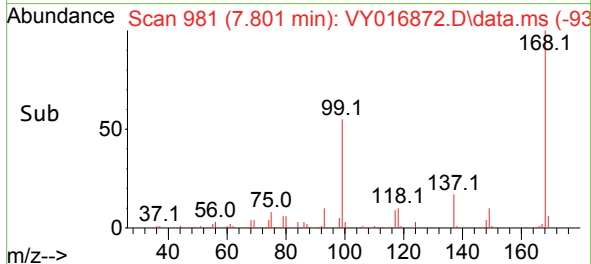
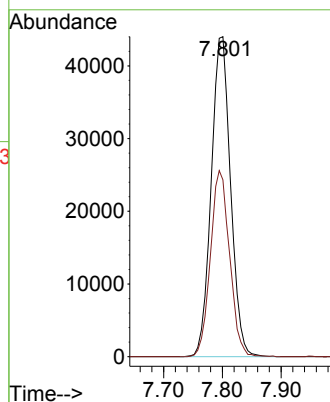
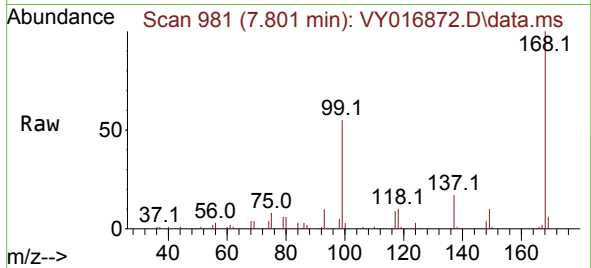




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016872.D
Acq: 27 Dec 2023 13:02

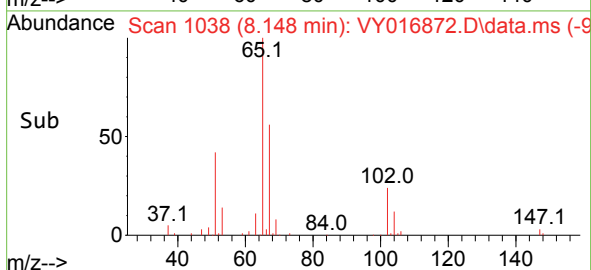
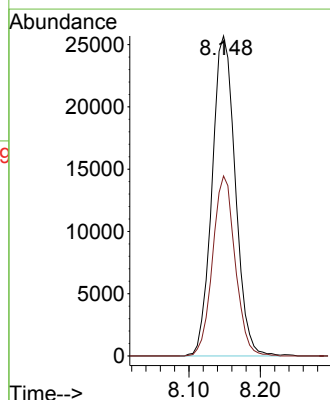
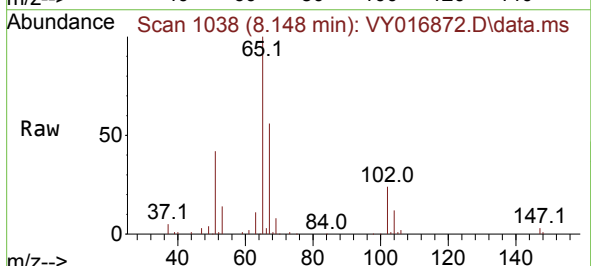
Instrument :
MSVOA_Y
ClientSampleId :
PIERS

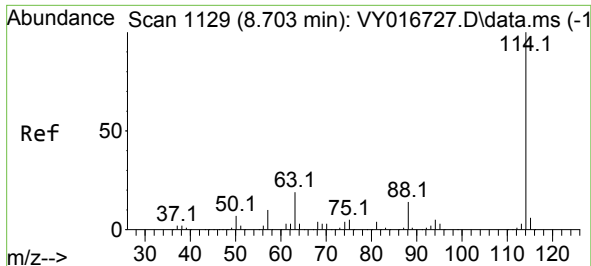
Tgt Ion:168 Resp: 100698
Ion Ratio Lower Upper
168 100
99 55.3 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 63.064 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY016872.D
Acq: 27 Dec 2023 13:02

Tgt Ion: 65 Resp: 57973
Ion Ratio Lower Upper
65 100
67 54.6 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY016872.D

Acq: 27 Dec 2023 13:02

Instrument :

MSVOA_Y

ClientSampleId :

PIERS

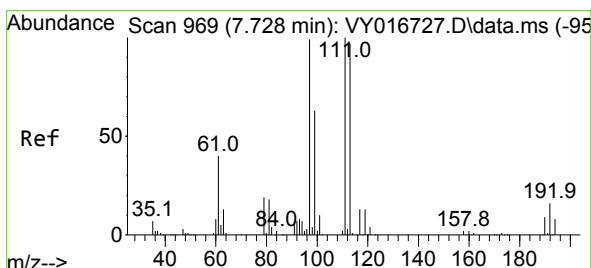
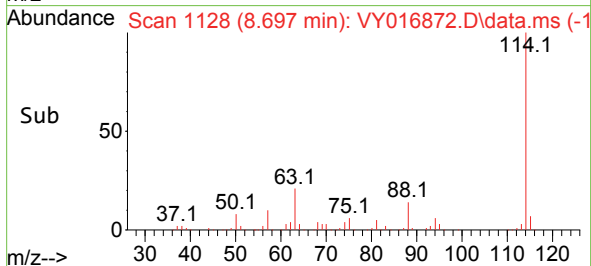
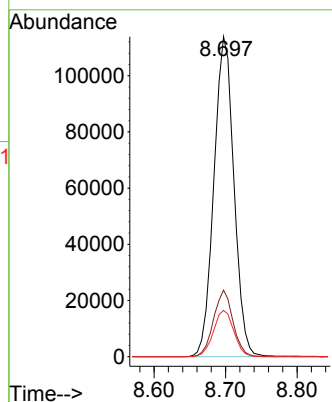
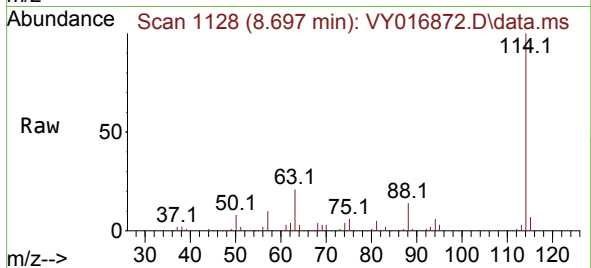
Tgt Ion:114 Resp: 221723

Ion Ratio Lower Upper

114 100

63 20.8 0.0 37.4

88 14.5 0.0 29.0



#35

Dibromofluoromethane

Concen: 26.201 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.006 min

Lab File: VY016872.D

Acq: 27 Dec 2023 13:02

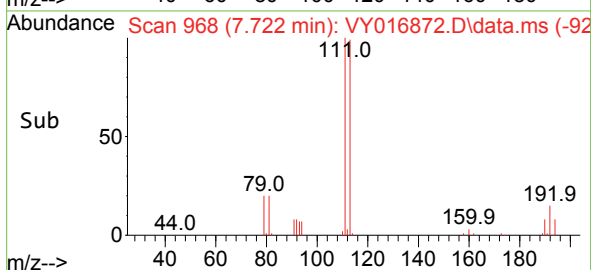
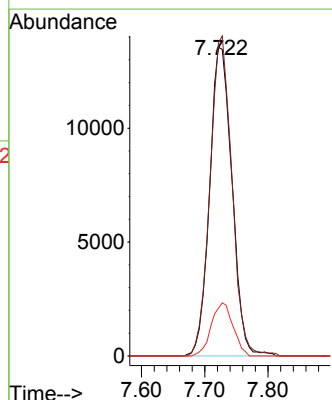
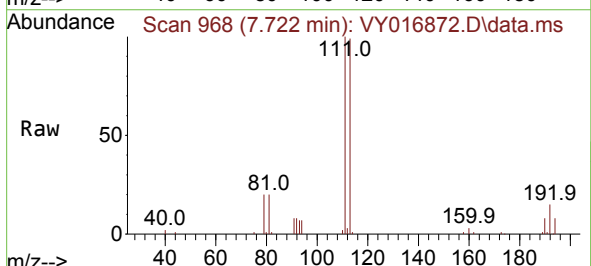
Tgt Ion:113 Resp: 33277

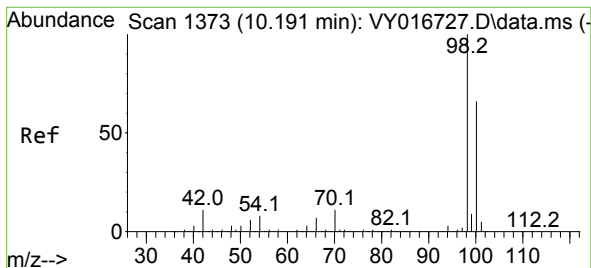
Ion Ratio Lower Upper

113 100

111 101.5 83.8 125.6

192 16.7 14.5 21.7





#50

Toluene-d8

Concen: 48.480 ug/l

RT: 10.185 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY016872.D

Acq: 27 Dec 2023 13:02

Instrument :

MSVOA_Y

ClientSampleId :

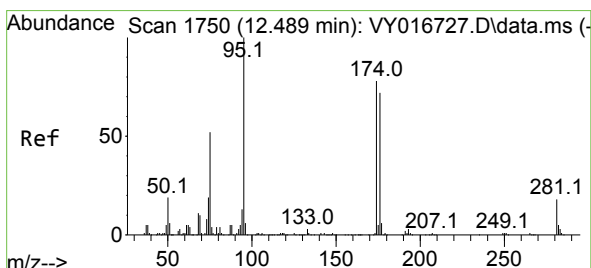
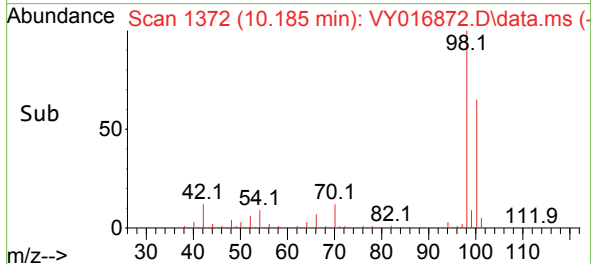
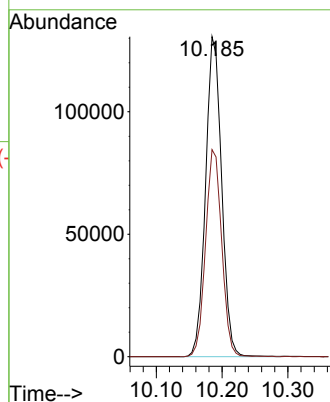
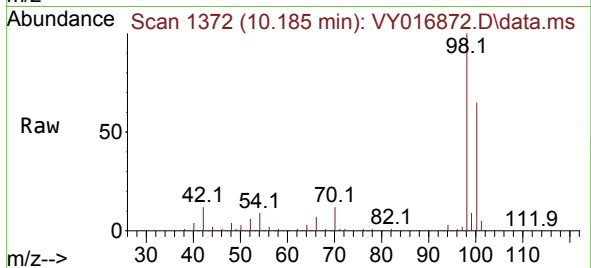
PIERS

Tgt Ion: 98 Resp: 221968

Ion Ratio Lower Upper

98 100

100 65.1 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 47.983 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.000 min

Lab File: VY016872.D

Acq: 27 Dec 2023 13:02

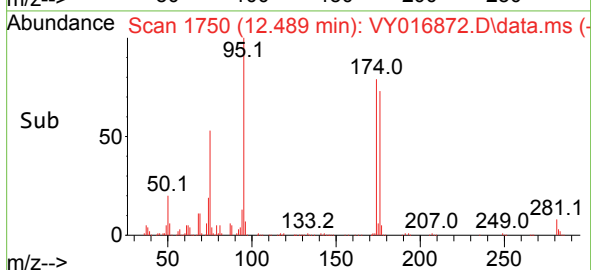
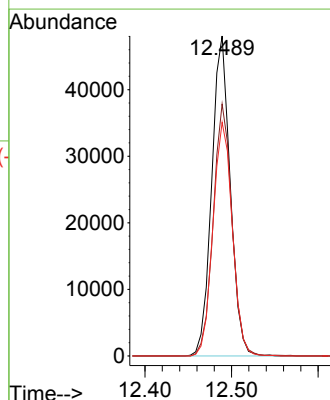
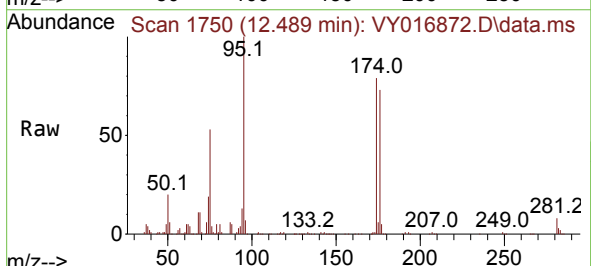
Tgt Ion: 95 Resp: 71274

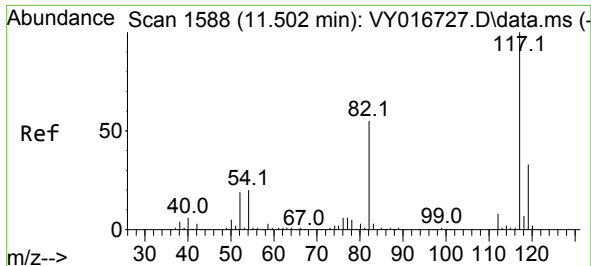
Ion Ratio Lower Upper

95 100

174 80.0 0.0 160.0

176 76.4 0.0 151.8

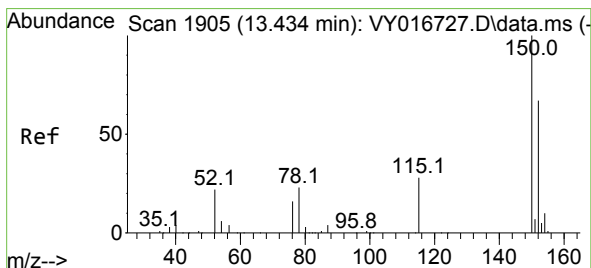
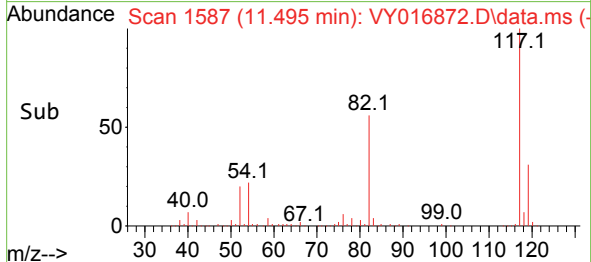
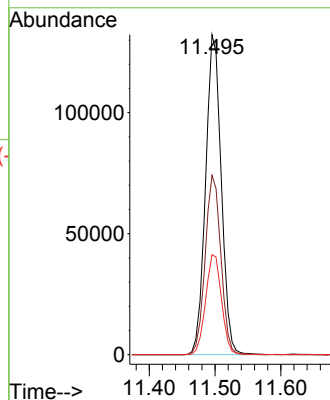
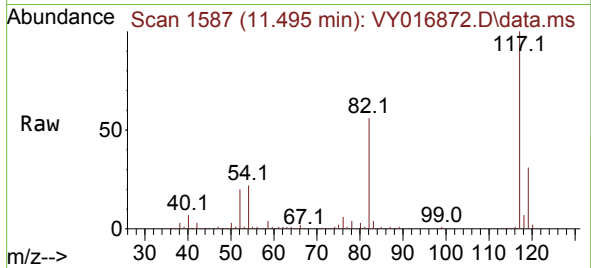




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016872.D
Acq: 27 Dec 2023 13:02

Instrument :
MSVOA_Y
ClientSampleId :
PIERS

Tgt Ion:117 Resp: 219131
Ion Ratio Lower Upper
117 100
82 56.1 43.8 65.8
119 31.2 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. -0.000 min
Lab File: VY016872.D
Acq: 27 Dec 2023 13:02

Tgt Ion:152 Resp: 85650
Ion Ratio Lower Upper
152 100
115 60.1 30.0 90.0
150 157.5 0.0 344.6

