

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101623\
 Data File : VY015985.D
 Acq On : 16 Oct 2023 15:29
 Operator : SY/MD
 Sample : 04895-02
 Misc : 5.69g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 A-2

Quant Time: Oct 17 05:43:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 13:13:02 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	137915	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	234367	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	216633	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	108675	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	85030	54.022	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.040%
35) Dibromofluoromethane	7.722	113	76408	51.786	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.580%
50) Toluene-d8	10.185	98	272978	49.403	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.800%
62) 4-Bromofluorobenzene	12.489	95	96248	48.918	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.840%

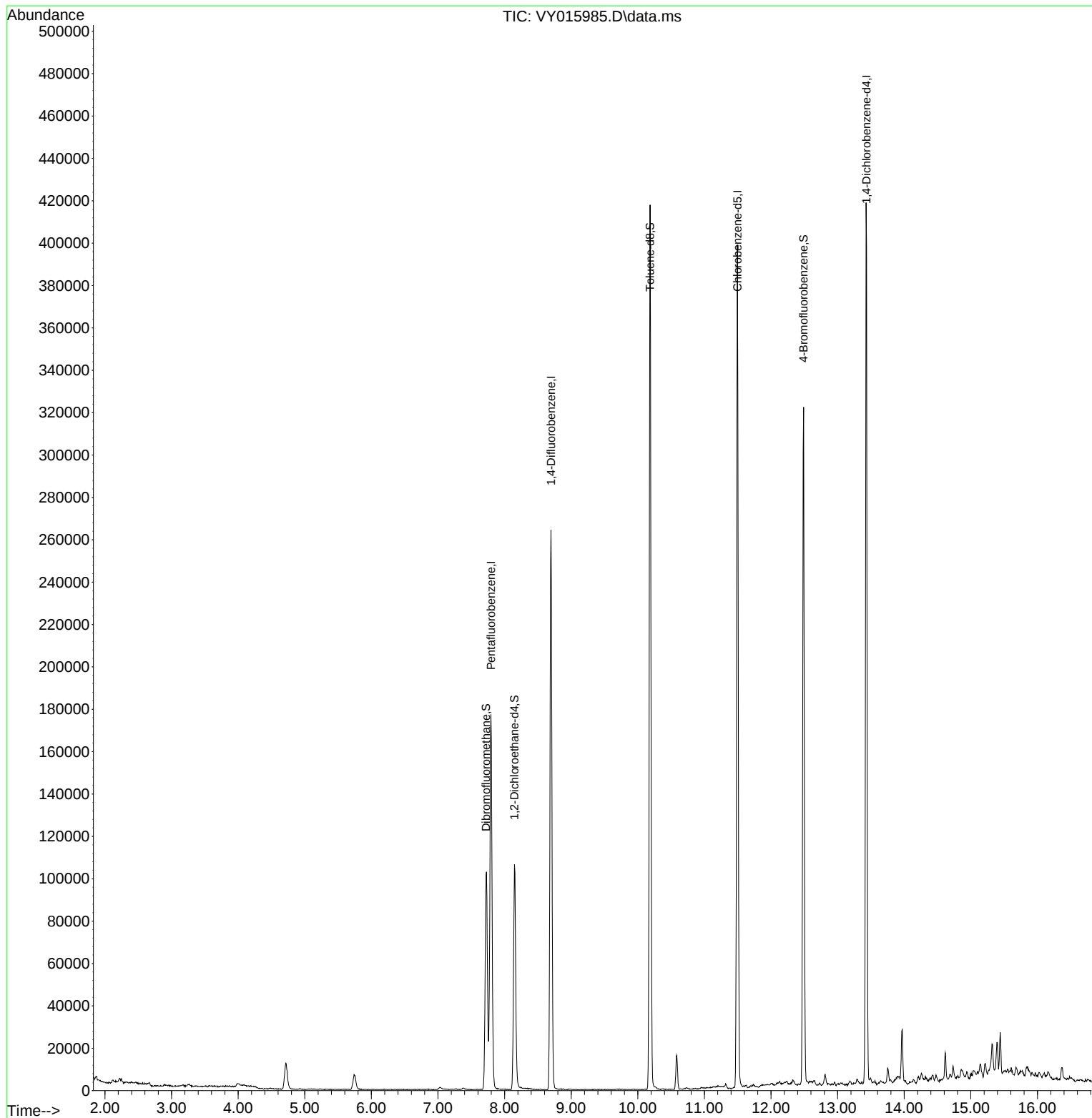
Target Compounds	Qvalue

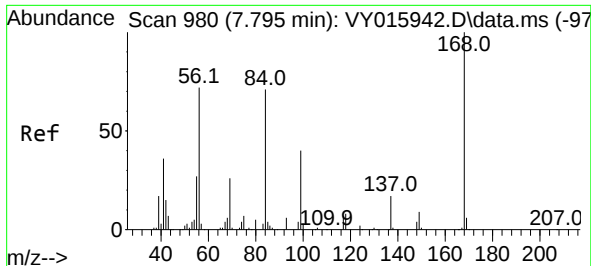
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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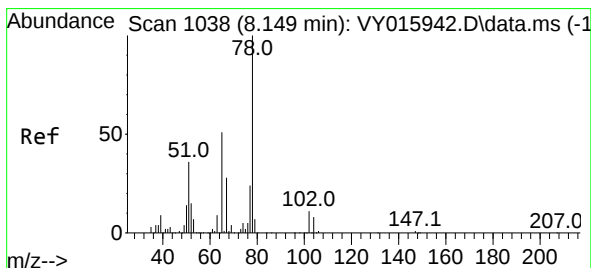
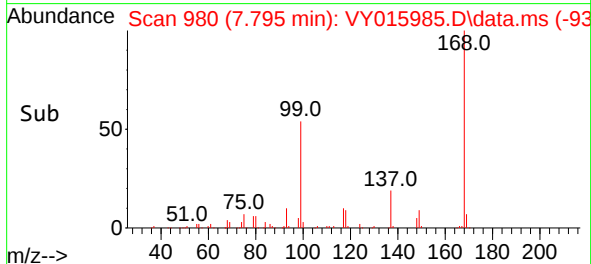
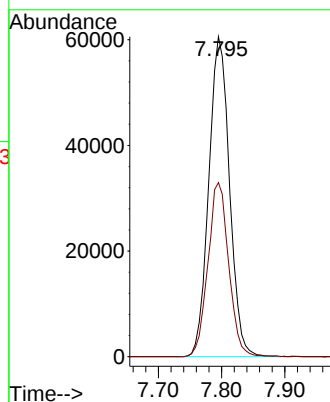
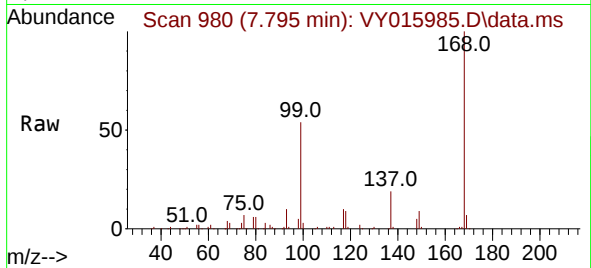




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY015985.D
Acq: 16 Oct 2023 15:29

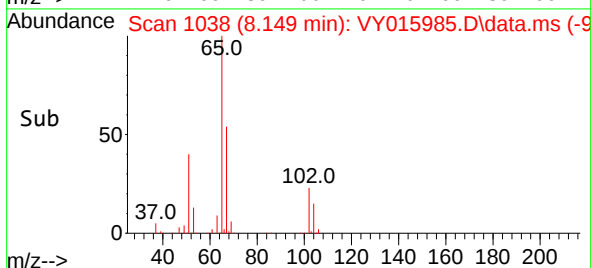
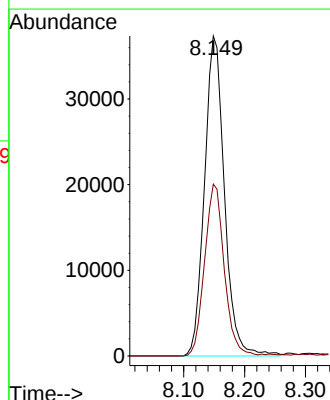
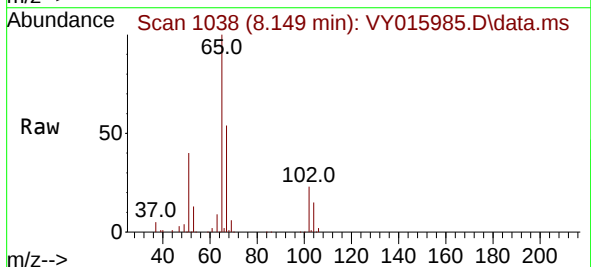
Instrument :
MSVOA_Y
ClientSampleId :
A-2

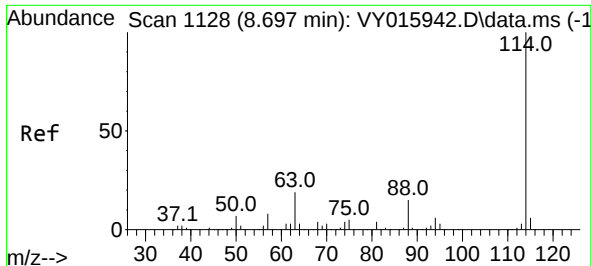
Tgt Ion:168 Resp: 137915
Ion Ratio Lower Upper
168 100
99 54.4 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 54.022 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY015985.D
Acq: 16 Oct 2023 15:29

Tgt Ion: 65 Resp: 85030
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. 0.000 min

Lab File: VY015985.D

Acq: 16 Oct 2023 15:29

Instrument :

MSVOA_Y

ClientSampleId :

A-2

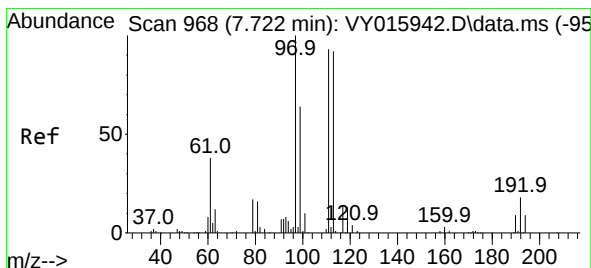
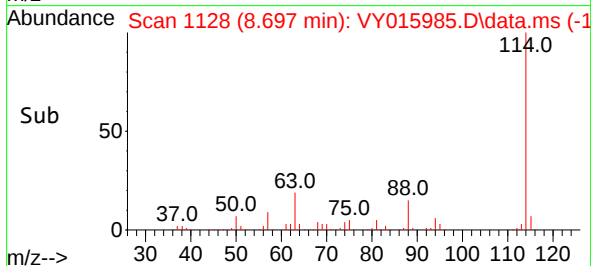
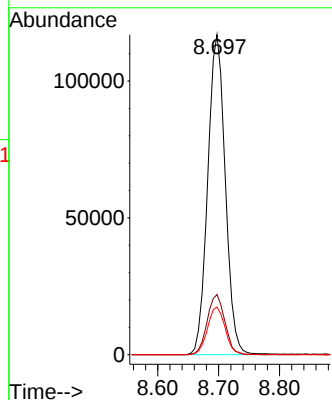
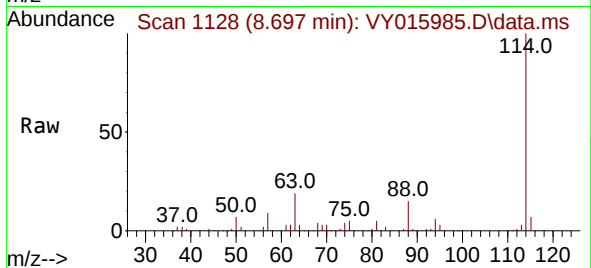
Tgt Ion:114 Resp: 234367

Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.4

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.786 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY015985.D

Acq: 16 Oct 2023 15:29

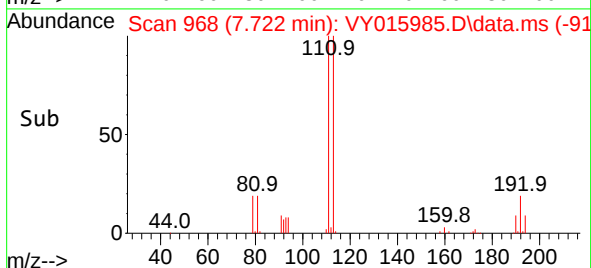
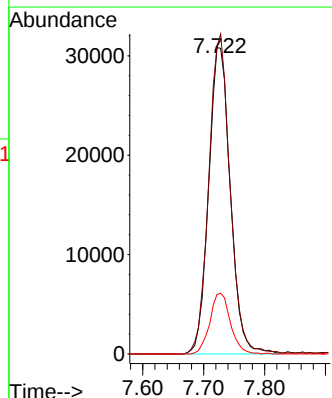
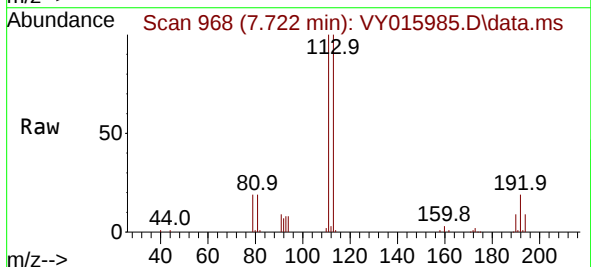
Tgt Ion:113 Resp: 76408

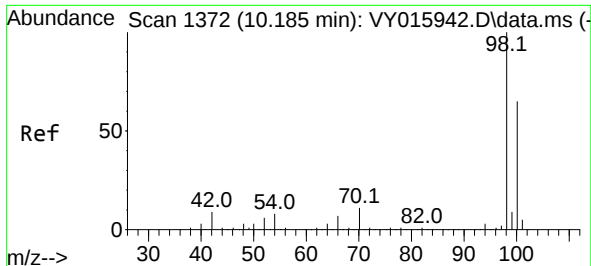
Ion Ratio Lower Upper

113 100

111 102.4 81.3 121.9

192 18.7 16.9 25.3

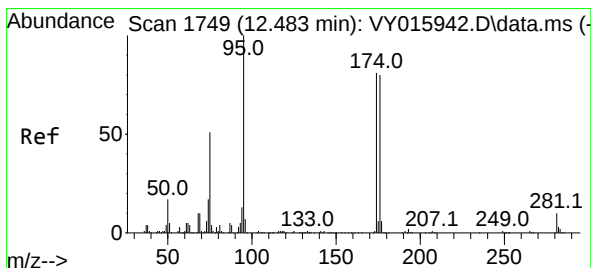
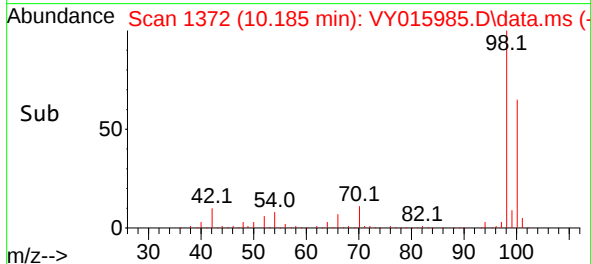
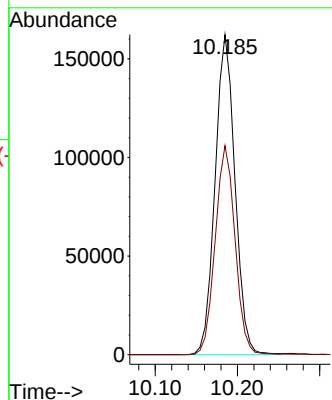
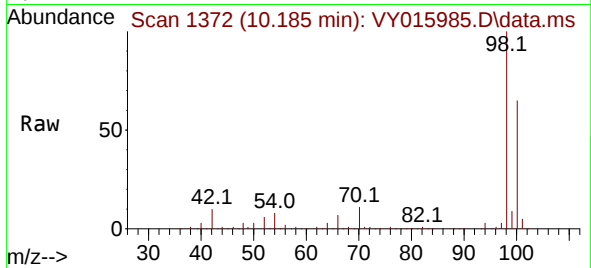




#50
Toluene-d8
Concen: 49.403 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015985.D
Acq: 16 Oct 2023 15:29

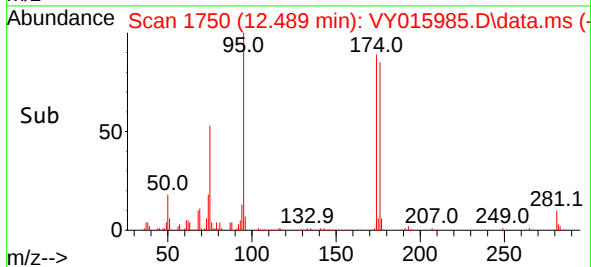
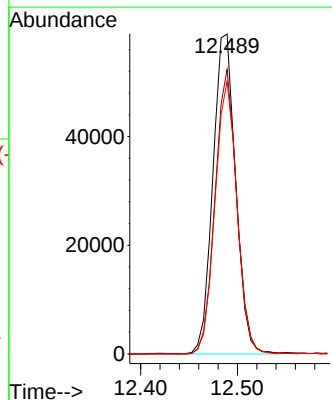
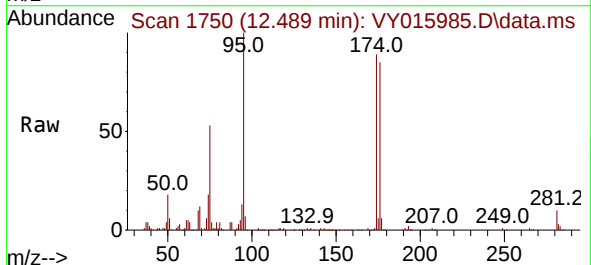
Instrument :
MSVOA_Y
ClientSampleId :
A-2

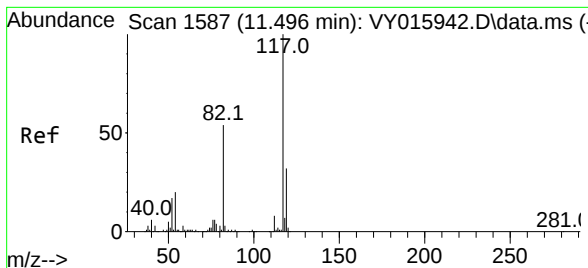
Tgt Ion: 98 Resp: 272978
Ion Ratio Lower Upper
98 100
100 65.4 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 48.918 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY015985.D
Acq: 16 Oct 2023 15:29

Tgt Ion: 95 Resp: 96248
Ion Ratio Lower Upper
95 100
174 85.0 0.0 178.2
176 82.1 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015985.D

Acq: 16 Oct 2023 15:29

Instrument :

MSVOA_Y

ClientSampleId :

A-2

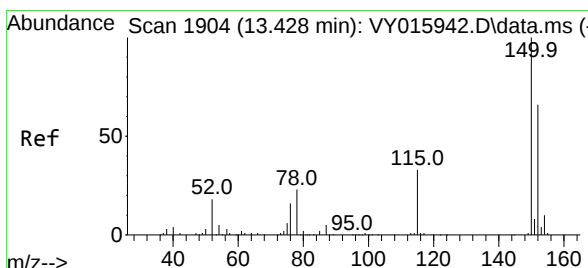
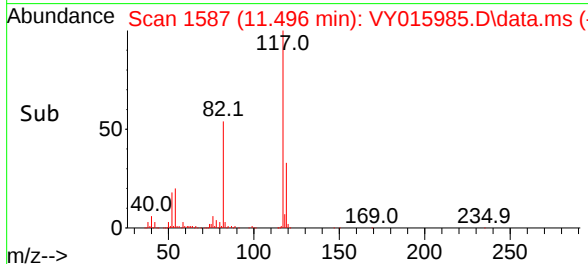
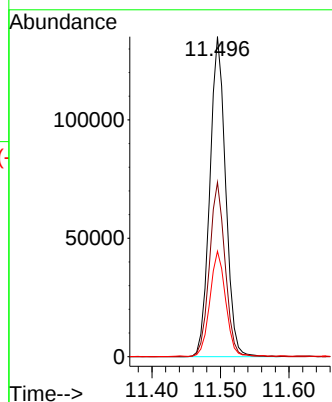
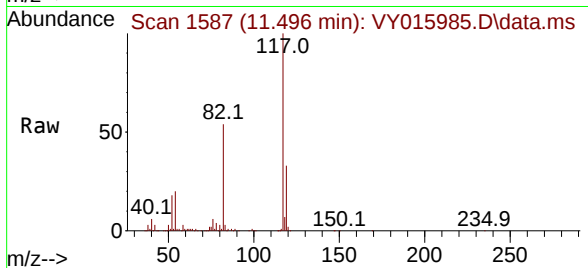
Tgt Ion:117 Resp: 216633

Ion Ratio Lower Upper

117 100

82 54.5 43.4 65.0

119 32.7 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY015985.D

Acq: 16 Oct 2023 15:29

Tgt Ion:152 Resp: 108675

Ion Ratio Lower Upper

152 100

115 56.7 28.8 86.5

150 156.5 0.0 348.8

