

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091123\
 Data File : VY015489.D
 Acq On : 11 Sep 2023 16:04
 Operator : SY/MD
 Sample : 04363-03
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-227

Quant Time: Sep 12 01:19:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	302868	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	494493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	452779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	222552	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	190425	58.652	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.300%
35) Dibromofluoromethane	7.709	113	157026	55.132	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.260%
50) Toluene-d8	10.179	98	579998	56.232	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	112.460%
62) 4-Bromofluorobenzene	12.477	95	207639	54.227	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	108.460%

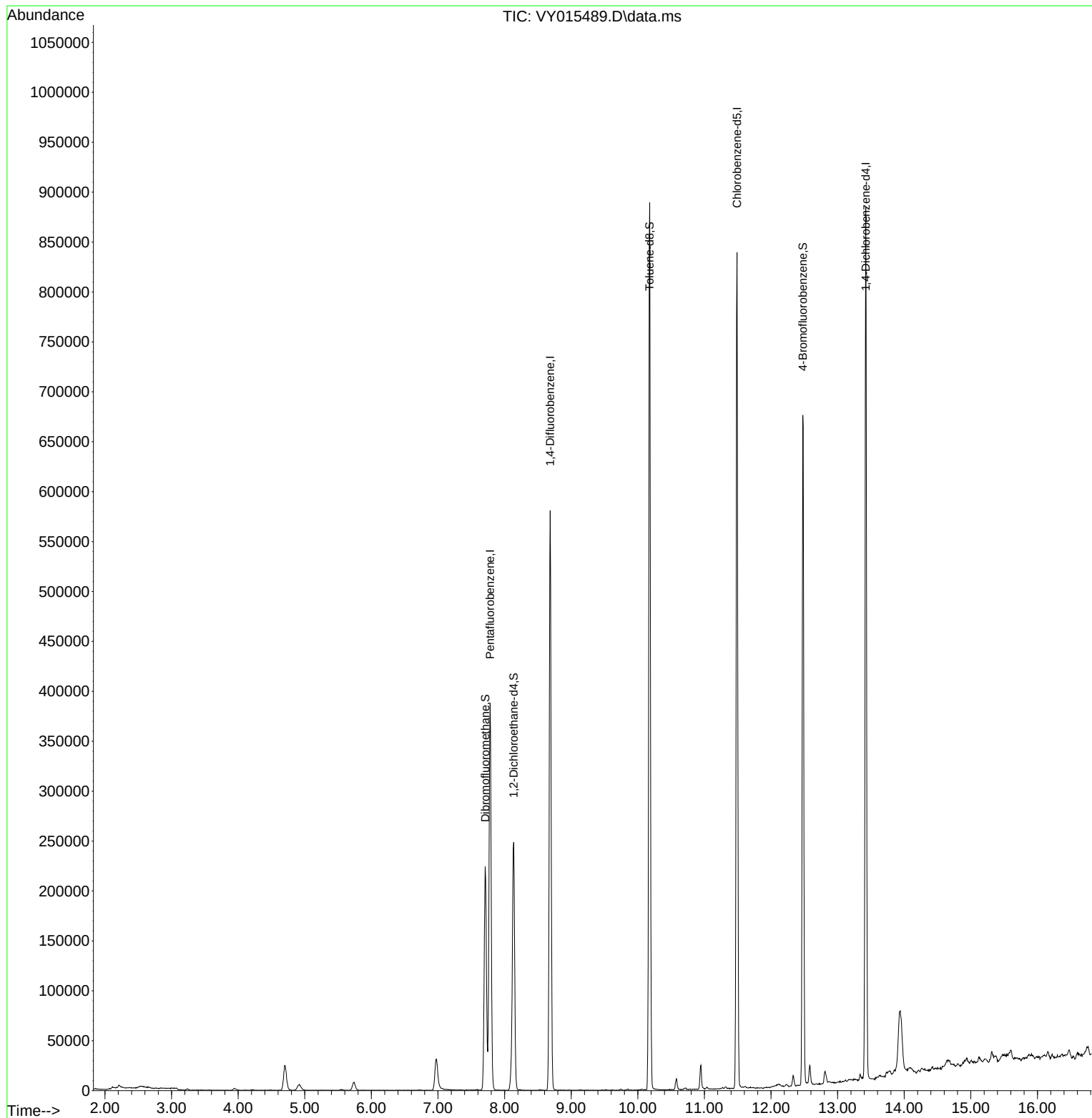
Target Compounds	Qvalue

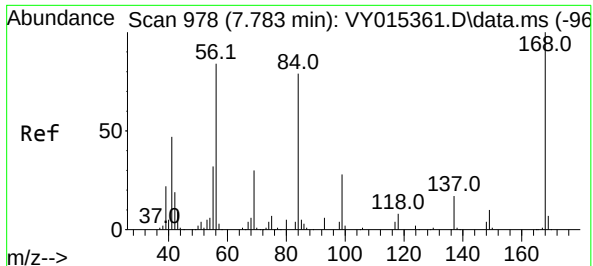
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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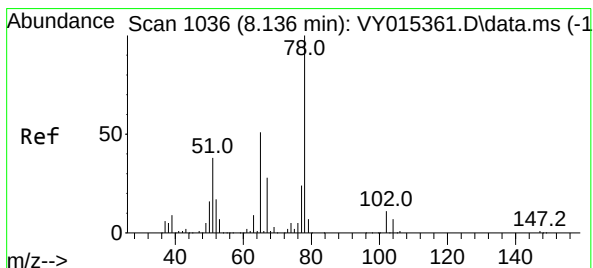
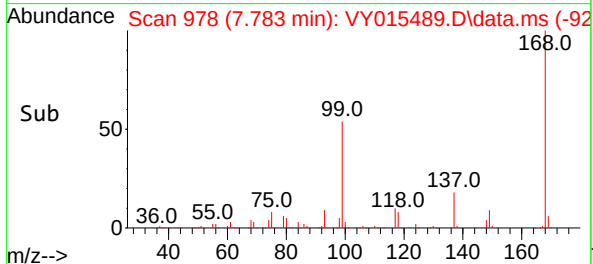
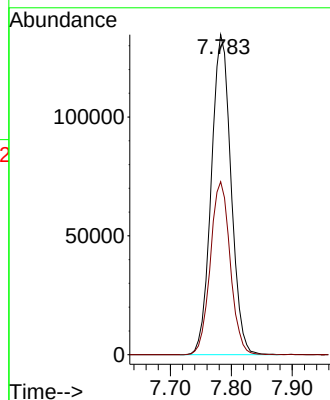
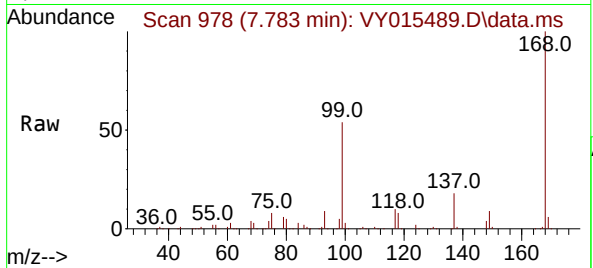




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015489.D
Acq: 11 Sep 2023 16:04

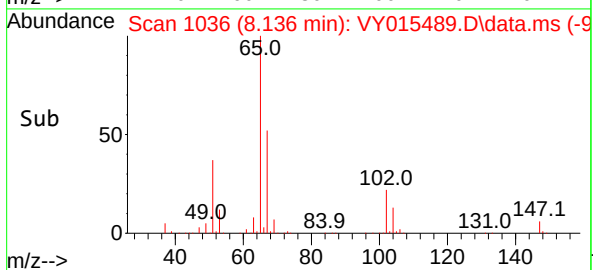
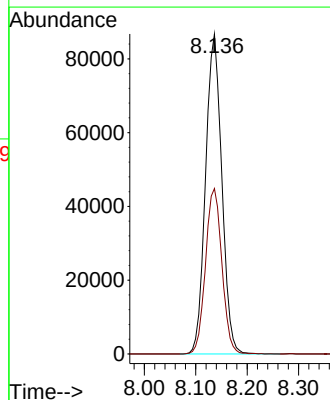
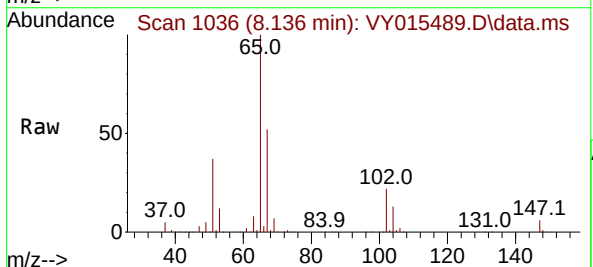
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-227

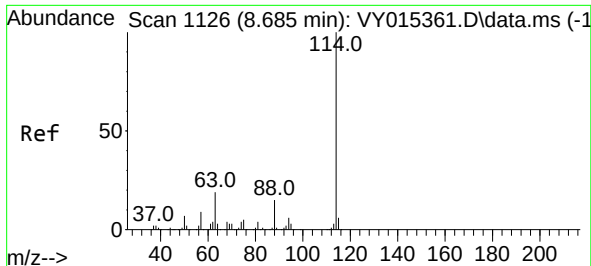
Tgt Ion:168 Resp: 302868
Ion Ratio Lower Upper
168 100
99 54.0 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 58.652 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY015489.D
Acq: 11 Sep 2023 16:04

Tgt Ion: 65 Resp: 190425
Ion Ratio Lower Upper
65 100
67 52.1 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY015489.D

Acq: 11 Sep 2023 16:04

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-227

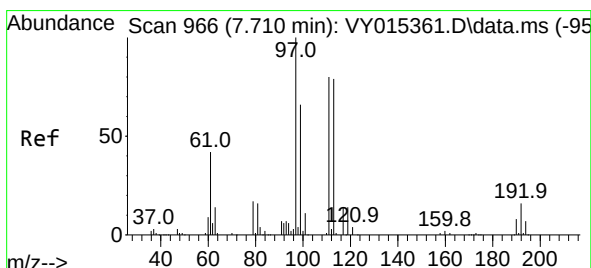
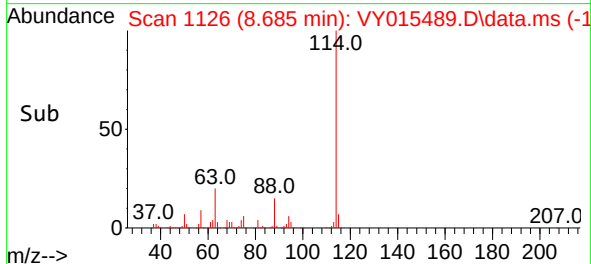
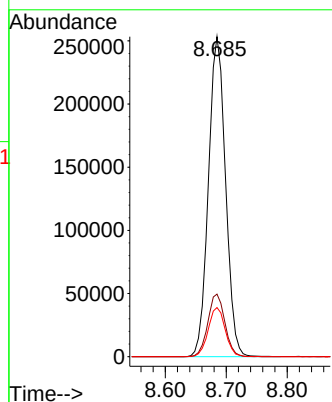
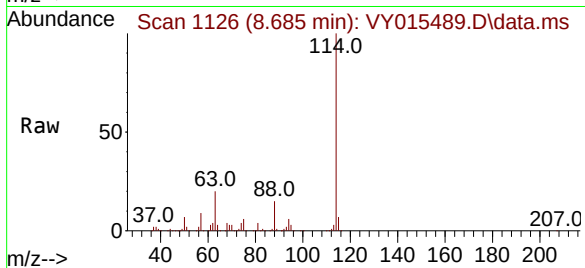
Tgt Ion:114 Resp: 494493

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.132 ug/l

RT: 7.709 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY015489.D

Acq: 11 Sep 2023 16:04

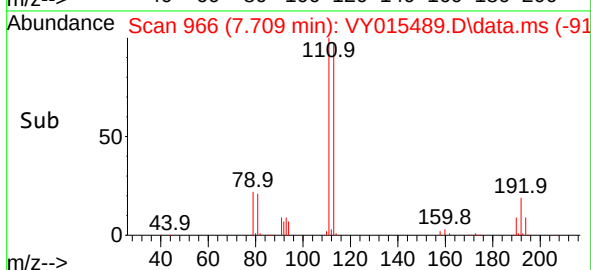
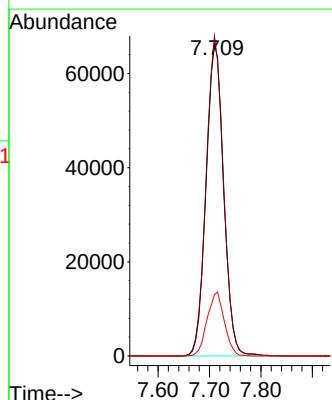
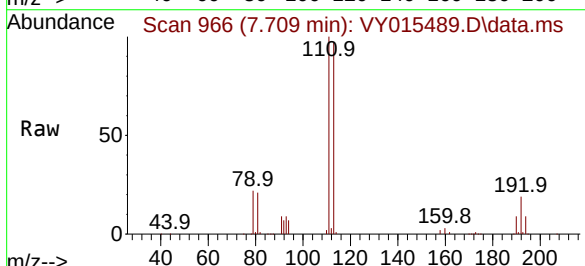
Tgt Ion:113 Resp: 157026

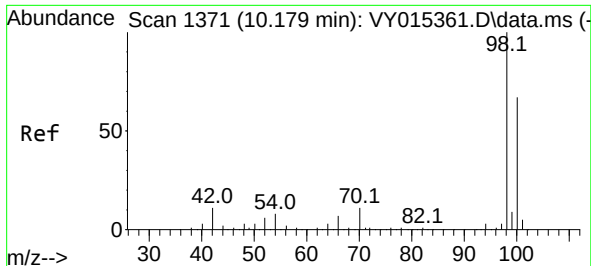
Ion Ratio Lower Upper

113 100

111 102.0 81.3 121.9

192 20.1 16.9 25.3

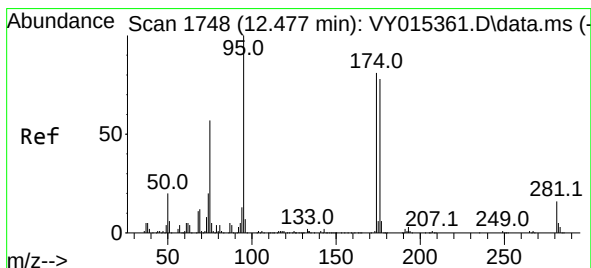
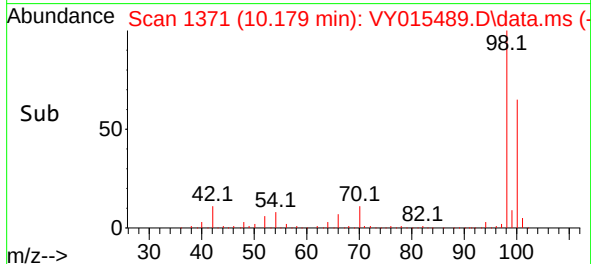
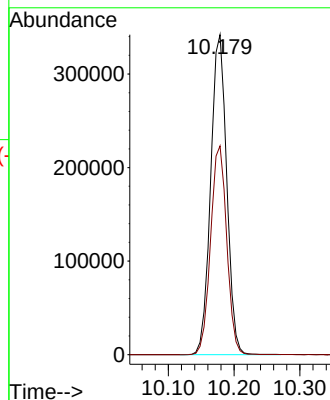
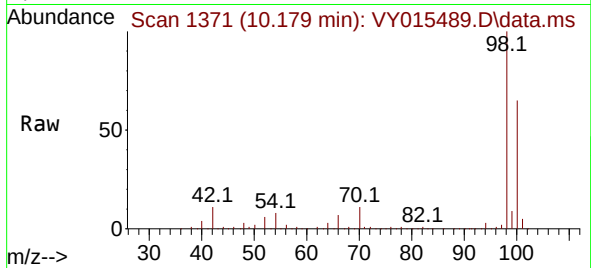




#50
Toluene-d8
Concen: 56.232 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015489.D
Acq: 11 Sep 2023 16:04

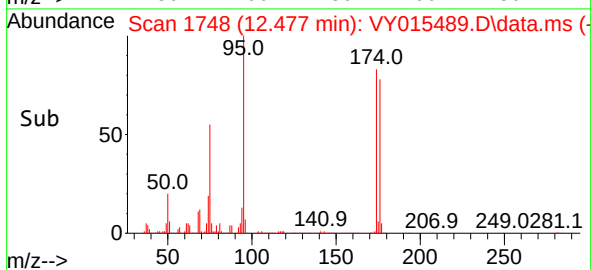
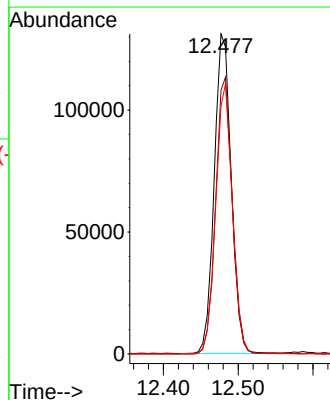
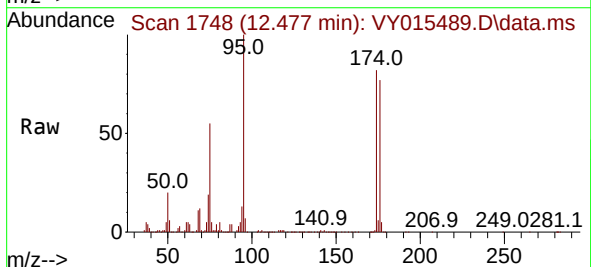
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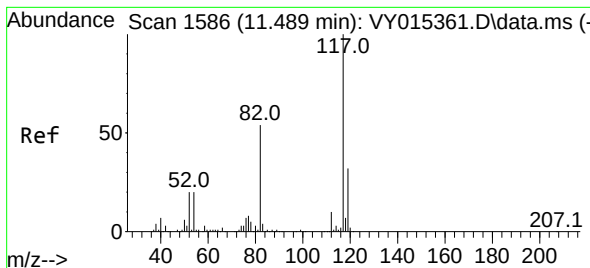
Tgt Ion: 98 Resp: 579998
Ion Ratio Lower Upper
98 100
100 65.7 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 54.227 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY015489.D
Acq: 11 Sep 2023 16:04

Tgt Ion: 95 Resp: 207639
Ion Ratio Lower Upper
95 100
174 85.6 0.0 178.2
176 82.5 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.000 min

Lab File: VY015489.D

Acq: 11 Sep 2023 16:04

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-227

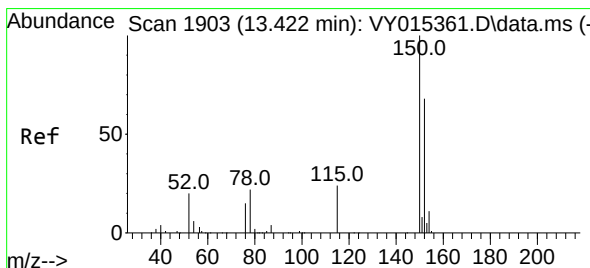
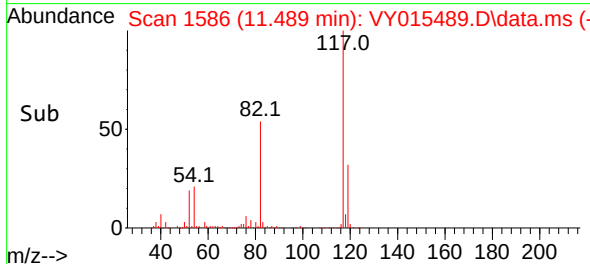
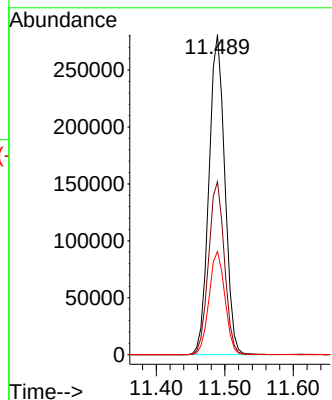
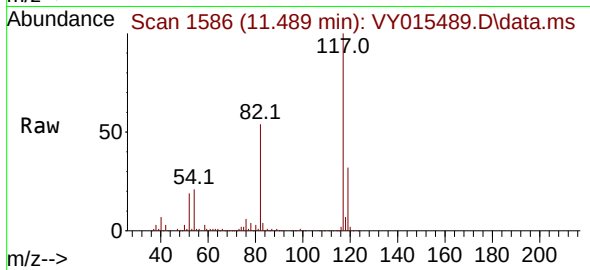
Tgt Ion:117 Resp: 452779

Ion Ratio Lower Upper

117 100

82 54.1 43.4 65.0

119 32.2 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY015489.D

Acq: 11 Sep 2023 16:04

Tgt Ion:152 Resp: 222552

Ion Ratio Lower Upper

152 100

115 57.5 28.8 86.5

150 155.7 0.0 348.8

