

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012023\
 Data File : VY012301.D
 Acq On : 20 Jan 2023 19:20
 Operator : KP/MD
 Sample : 01244-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-223

Quant Time: Jan 23 02:25:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	6635	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	10734	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	10756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	4027	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	4651	87.519	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	175.040%#
35) Dibromofluoromethane	7.722	113	1924	33.851	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	67.700%
50) Toluene-d8	10.185	98	13065	67.894	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	135.780%
62) 4-Bromofluorobenzene	12.483	95	3789	47.290	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.580%

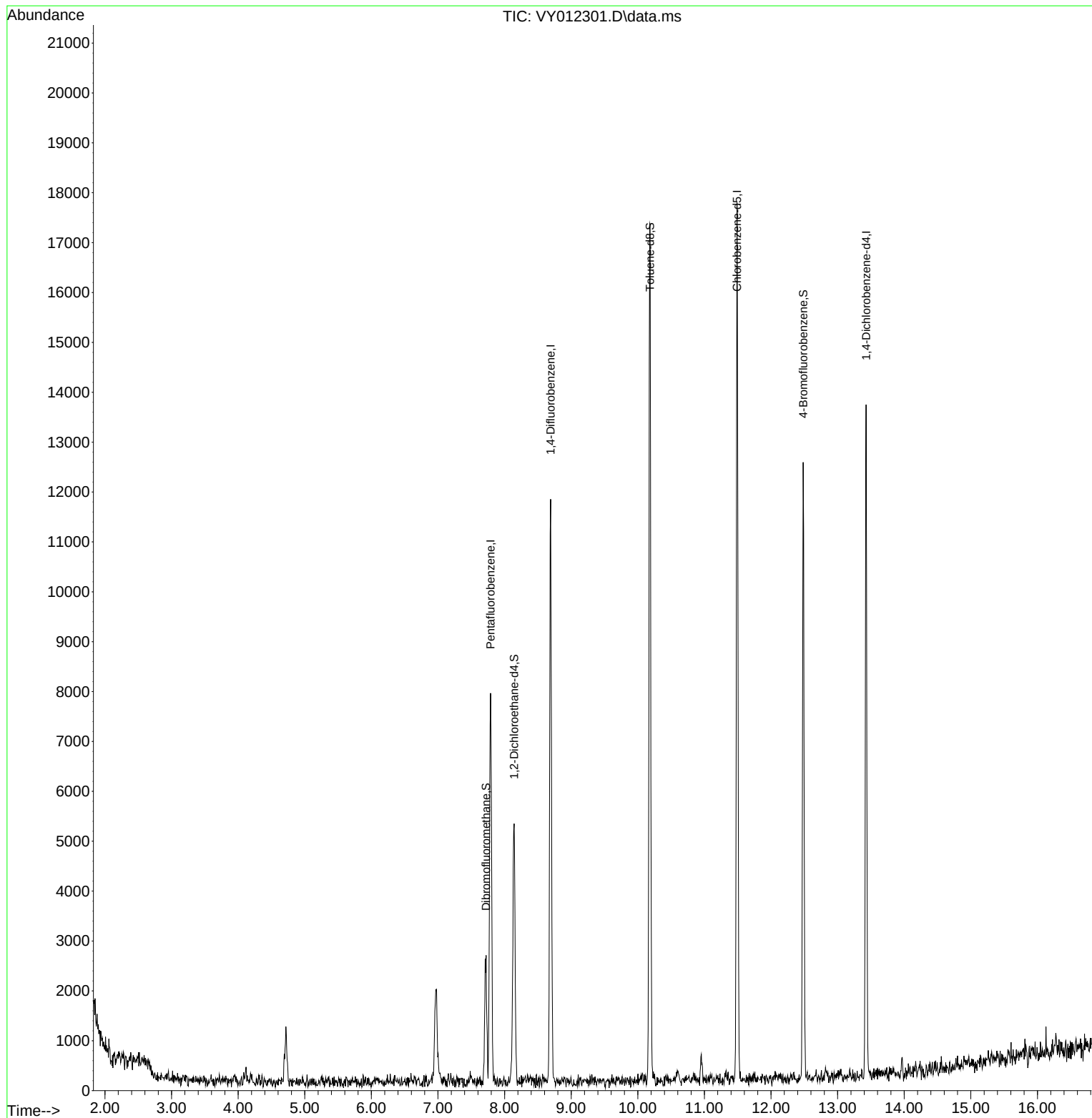
Target Compounds	Qvalue

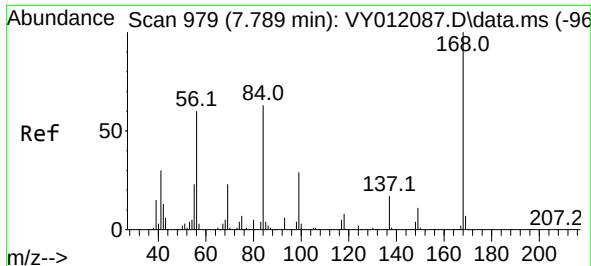
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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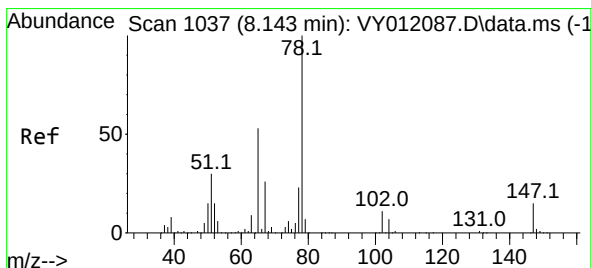
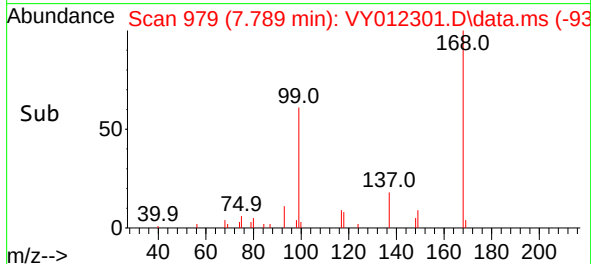
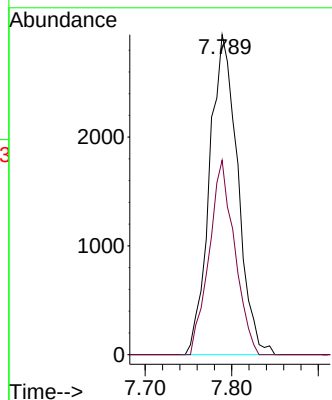
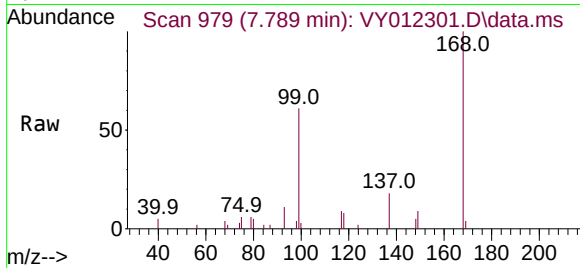




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012301.D
Acq: 20 Jan 2023 19:20

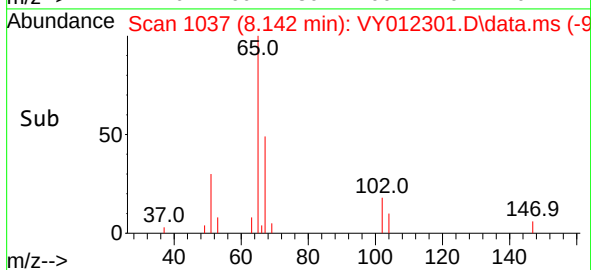
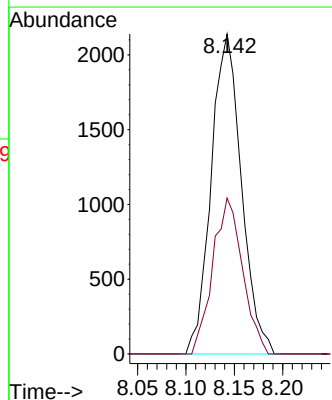
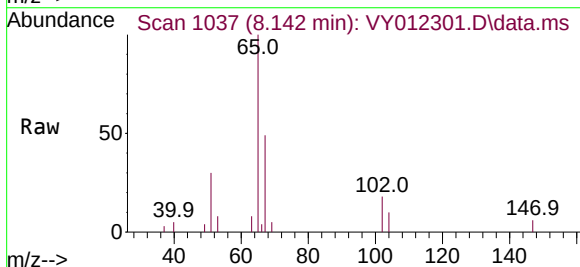
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-223

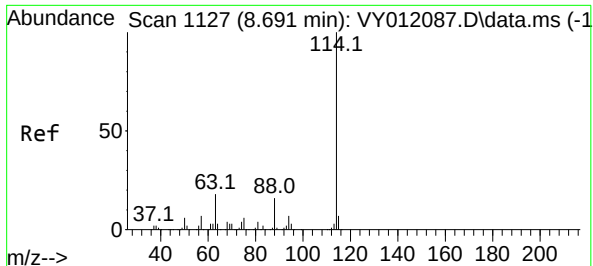
Tgt Ion:168 Resp: 6635
Ion Ratio Lower Upper
168 100
99 60.8 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 87.519 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012301.D
Acq: 20 Jan 2023 19:20

Tgt Ion: 65 Resp: 4651
Ion Ratio Lower Upper
65 100
67 48.0 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012301.D

Acq: 20 Jan 2023 19:20

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-223

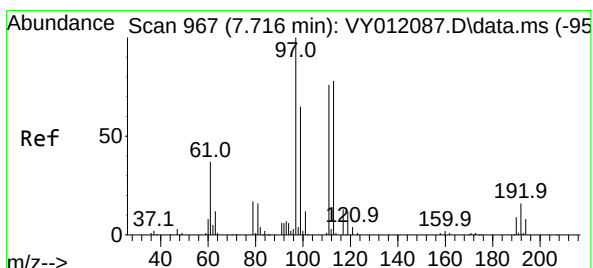
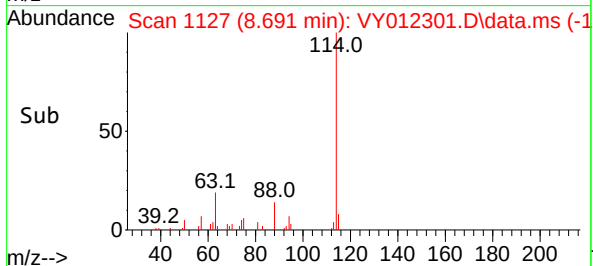
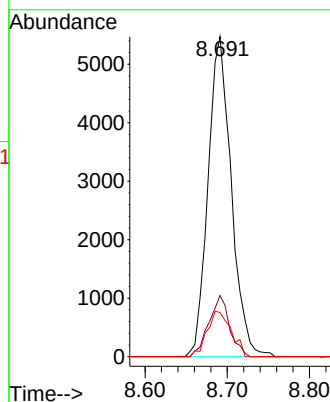
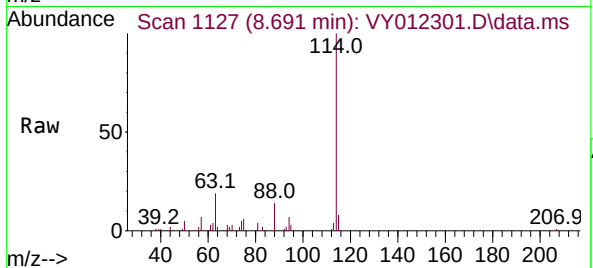
Tgt Ion:114 Resp: 10734

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.6

88 13.8 0.0 32.2



#35

Dibromofluoromethane

Concen: 33.851 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY012301.D

Acq: 20 Jan 2023 19:20

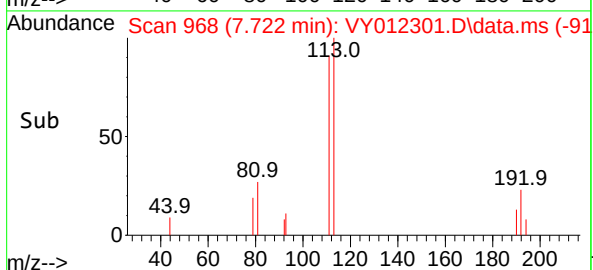
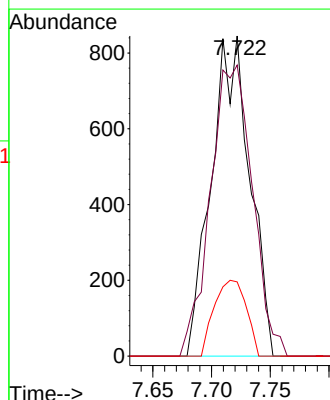
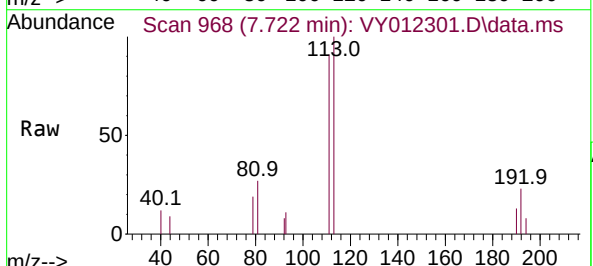
Tgt Ion:113 Resp: 1924

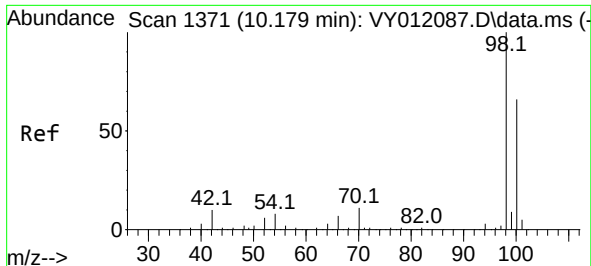
Ion Ratio Lower Upper

113 100

111 99.4 83.0 124.4

192 19.7 16.0 24.0

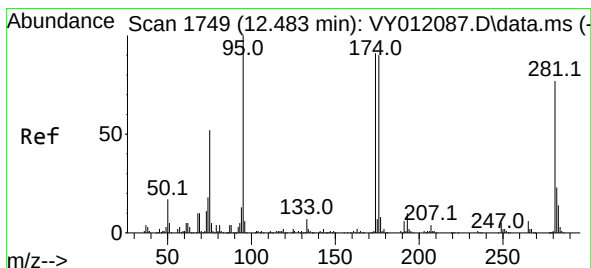
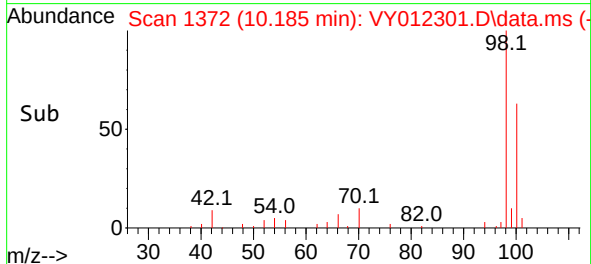
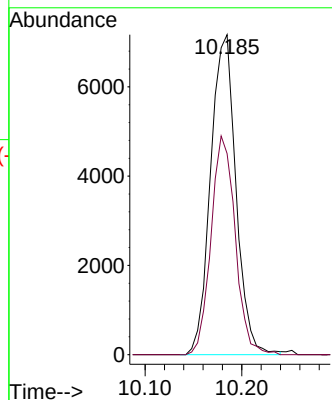
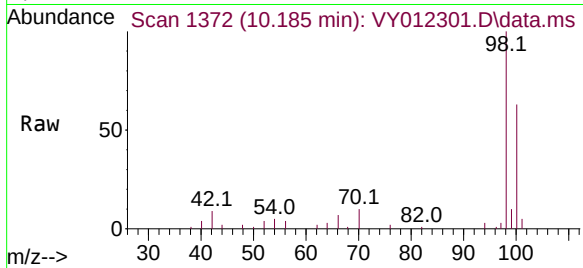




#50
Toluene-d8
Concen: 67.894 ug/l
RT: 10.185 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY012301.D
Acq: 20 Jan 2023 19:20

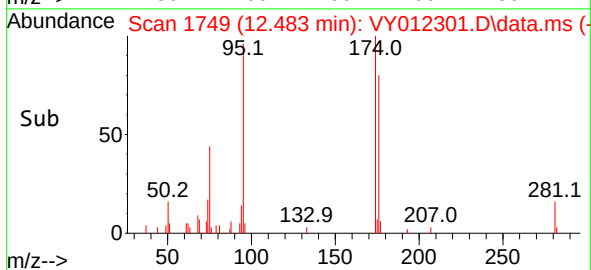
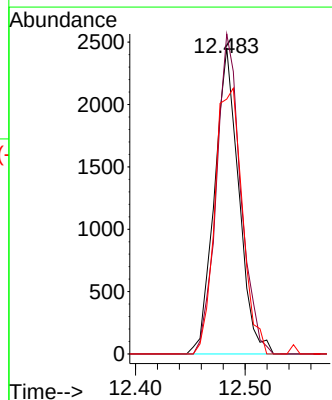
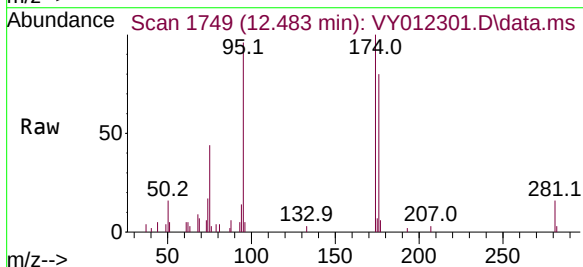
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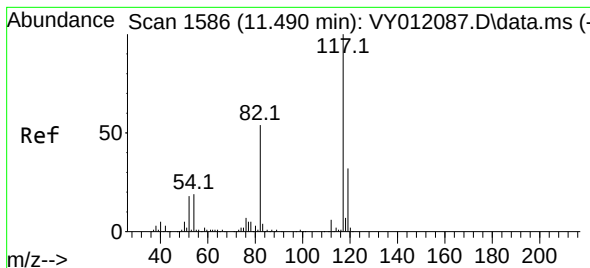
Tgt Ion: 98 Resp: 13065
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 47.290 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012301.D
Acq: 20 Jan 2023 19:20

Tgt Ion: 95 Resp: 3789
Ion Ratio Lower Upper
95 100
174 104.6 0.0 172.0
176 98.0 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY012301.D

Acq: 20 Jan 2023 19:20

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-223

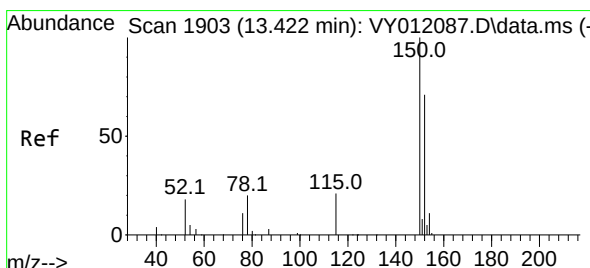
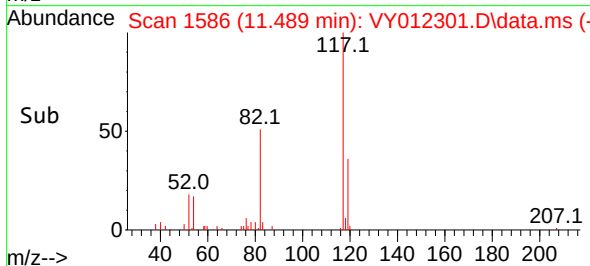
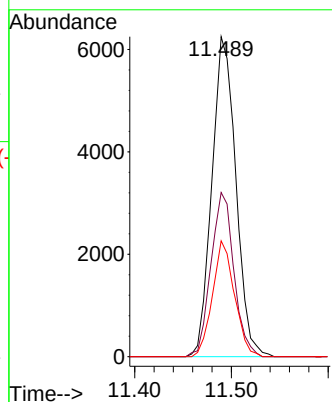
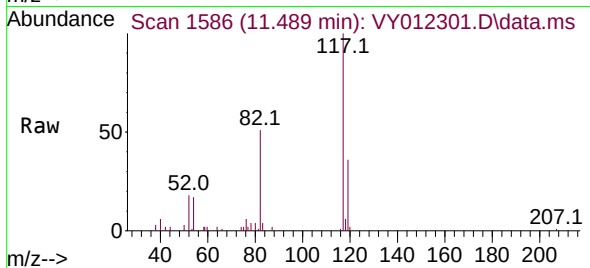
Tgt Ion:117 Resp: 10756

Ion Ratio Lower Upper

117 100

82 51.3 44.8 67.2

119 36.2 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY012301.D

Acq: 20 Jan 2023 19:20

Tgt Ion:152 Resp: 4027

Ion Ratio Lower Upper

152 100

115 52.8 29.1 87.3

150 161.4 0.0 342.6

