

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021423\
 Data File : VY012589.D
 Acq On : 14 Feb 2023 15:21
 Operator : KP/MD
 Sample : 01538-14
 Misc : 5.14g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC-GRAB-40

Quant Time: Feb 15 01:29:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

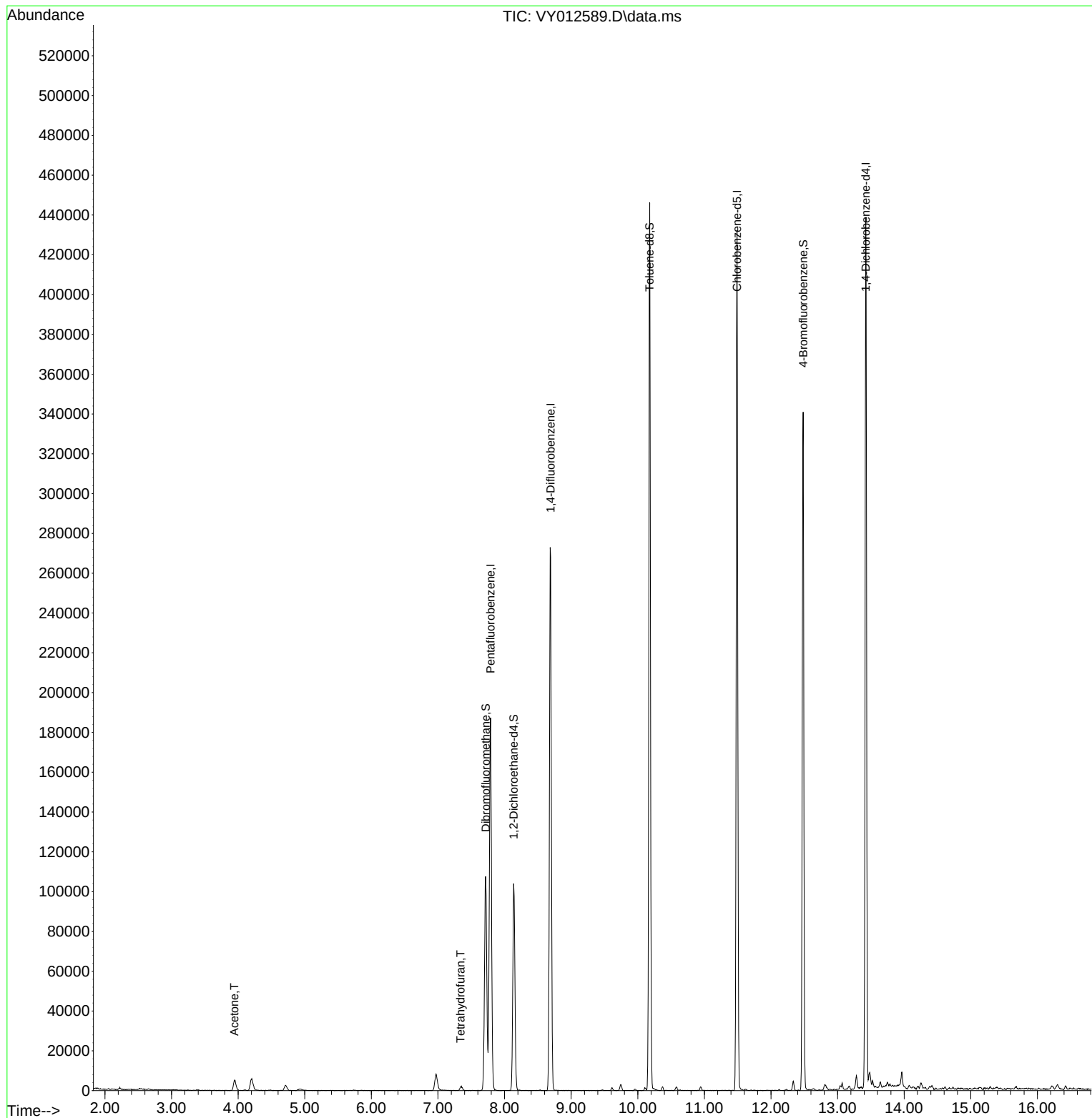
Internal Standards						
1) Pentafluorobenzene	7.789	168	148343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	246382	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	244349	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	118724	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	88716	47.030	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.060%
35) Dibromofluoromethane	7.716	113	73068	40.722	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.440%
50) Toluene-d8	10.179	98	294023	39.369	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	78.740%
62) 4-Bromofluorobenzene	12.483	95	98826	37.937	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	75.880%
Target Compounds						
					Qvalue	
16) Acetone	3.942	43	9224	20.316	ug/l	94
29) Tetrahydrofuran	7.338	42	1455	5.343	ug/l #	86

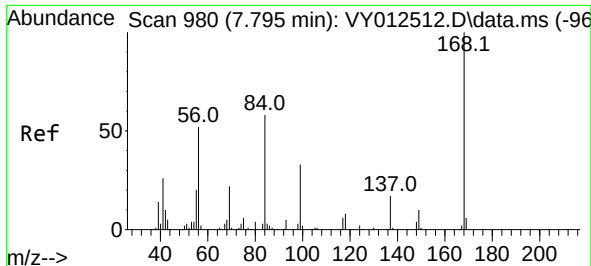
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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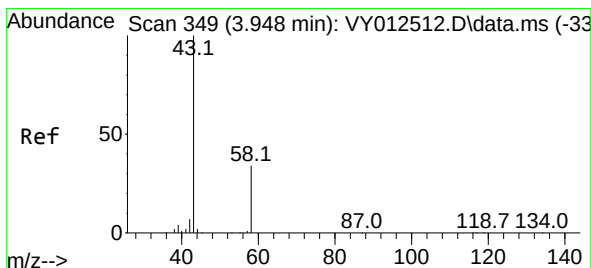
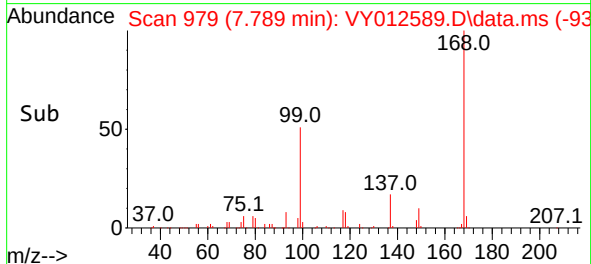
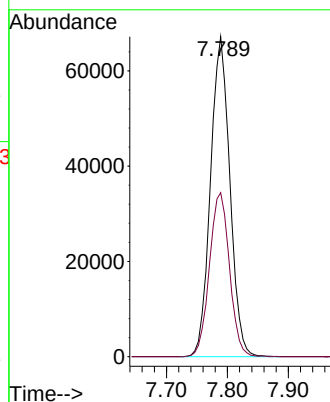
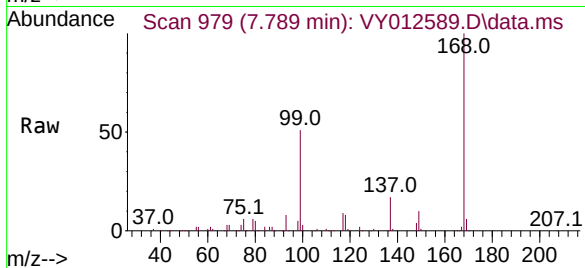




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012589.D
Acq: 14 Feb 2023 15:21

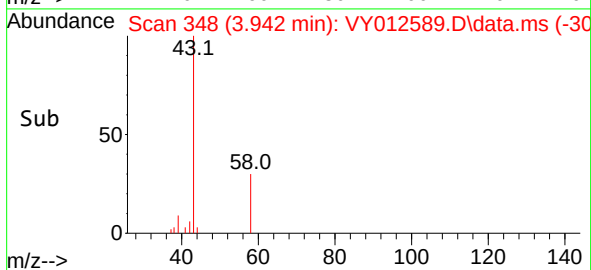
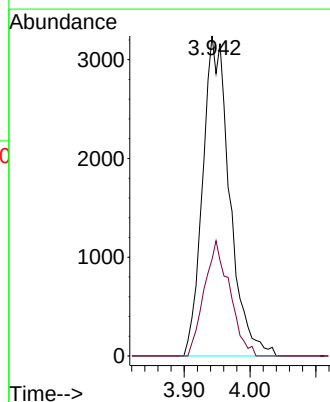
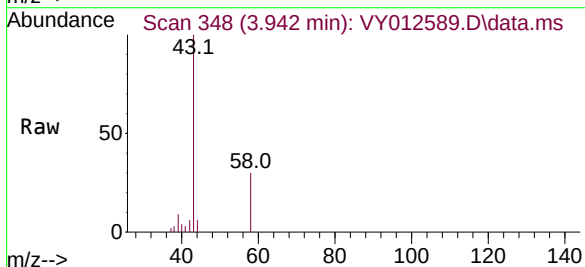
Instrument :
MSVOA_Y
ClientSampleId :
VOC-GRAB-40

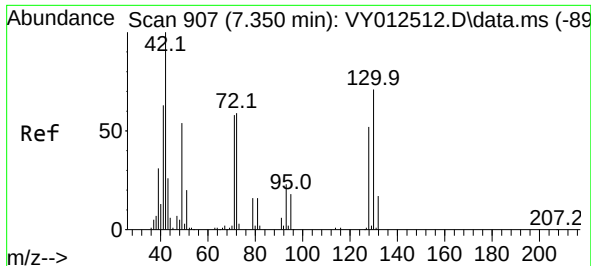
Tgt Ion:168 Resp: 148343
Ion Ratio Lower Upper
168 100
99 51.2 40.8 61.2



#16
Acetone
Concen: 20.316 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY012589.D
Acq: 14 Feb 2023 15:21

Tgt Ion: 43 Resp: 9224
Ion Ratio Lower Upper
43 100
58 30.2 27.1 40.7





#29

Tetrahydrofuran

Concen: 5.343 ug/l

RT: 7.338 min Scan# 905

Delta R.T. -0.012 min

Lab File: VY012589.D

Acq: 14 Feb 2023 15:21

Instrument :

MSVOA_Y

ClientSampleId :

VOC-GRAB-40

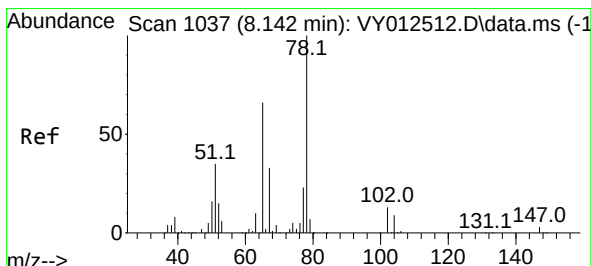
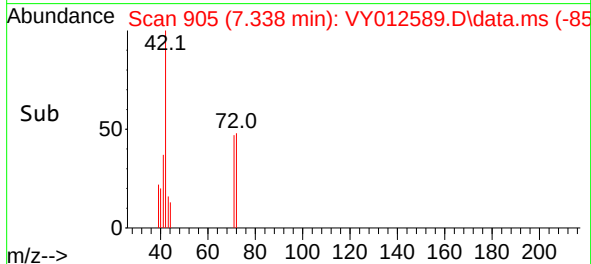
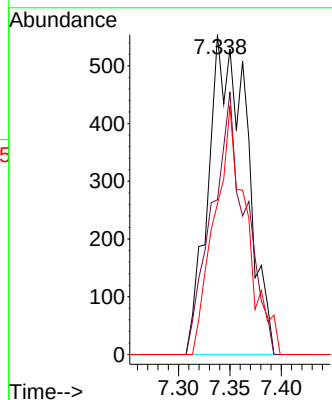
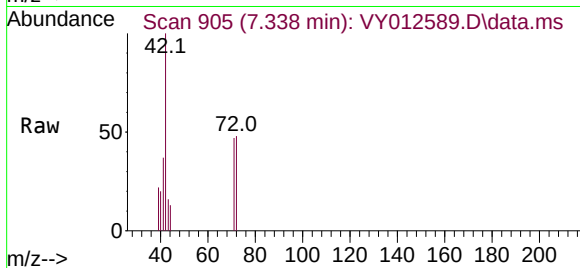
Tgt Ion: 42 Resp: 1455

Ion Ratio Lower Upper

42 100

72 71.1 47.0 70.6#

71 63.8 44.6 66.8



#33

1,2-Dichloroethane-d4

Concen: 47.030 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY012589.D

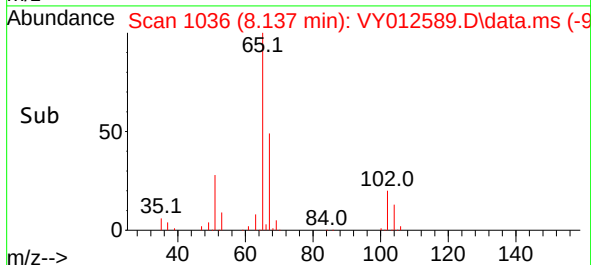
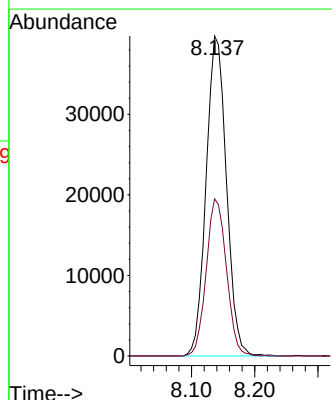
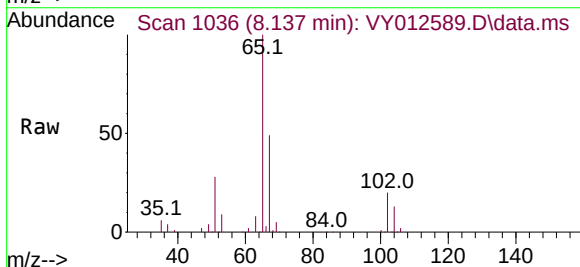
Acq: 14 Feb 2023 15:21

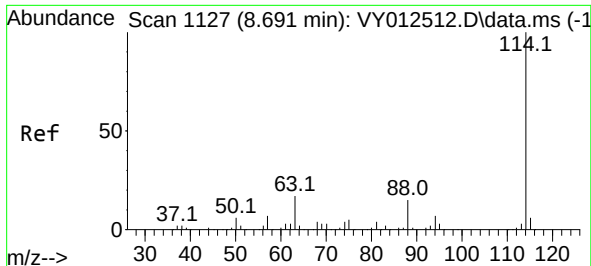
Tgt Ion: 65 Resp: 88716

Ion Ratio Lower Upper

65 100

67 48.8 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012589.D

Acq: 14 Feb 2023 15:21

Instrument :

MSVOA_Y

ClientSampleId :

VOC-GRAB-40

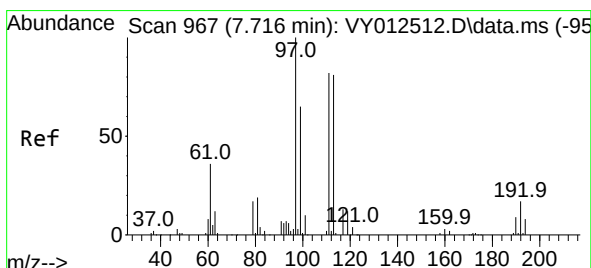
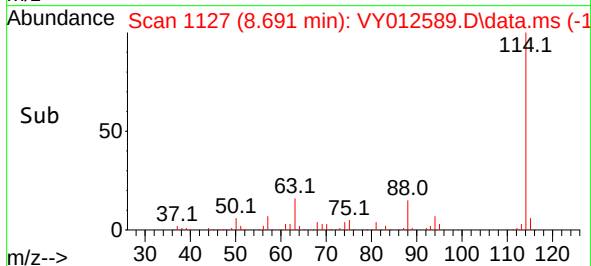
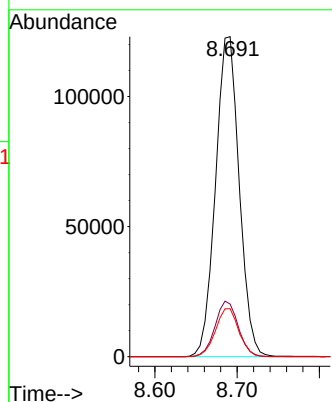
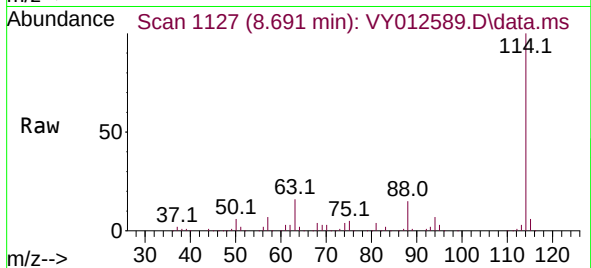
Tgt Ion:114 Resp: 246382

Ion Ratio Lower Upper

114 100

63 16.5 0.0 33.6

88 15.0 0.0 29.8



#35

Dibromofluoromethane

Concen: 40.722 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012589.D

Acq: 14 Feb 2023 15:21

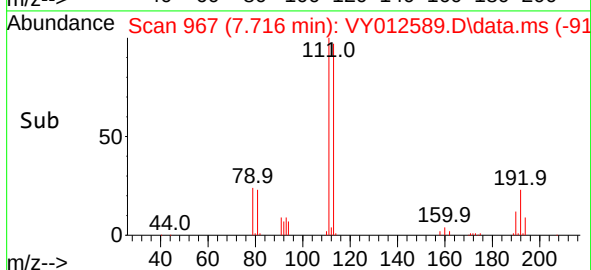
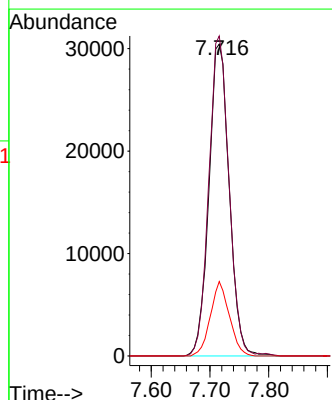
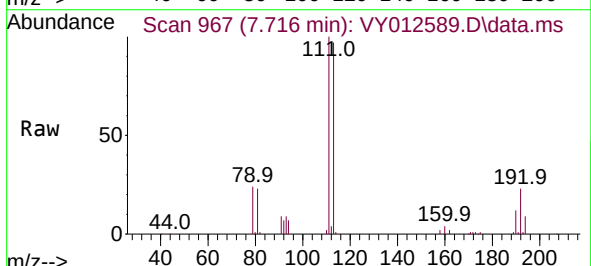
Tgt Ion:113 Resp: 73068

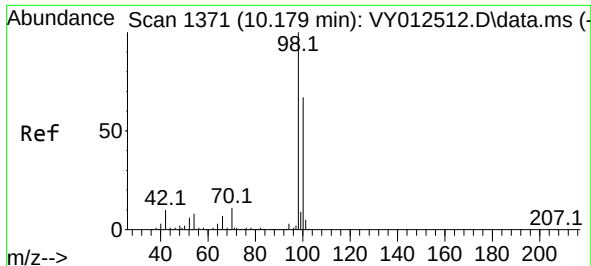
Ion Ratio Lower Upper

113 100

111 101.8 81.9 122.9

192 22.3 17.5 26.3

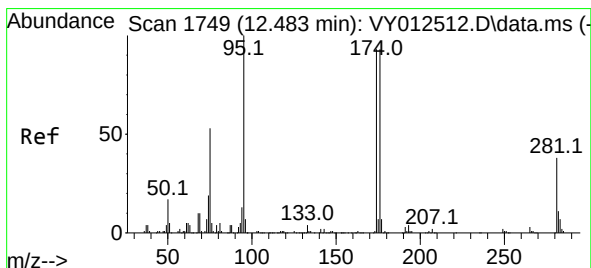
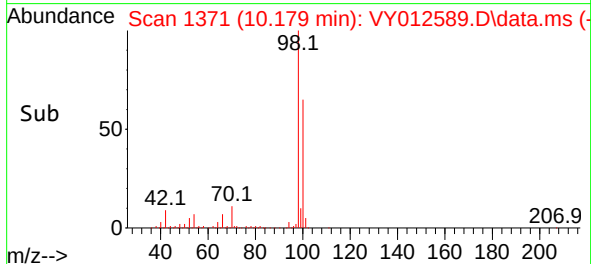
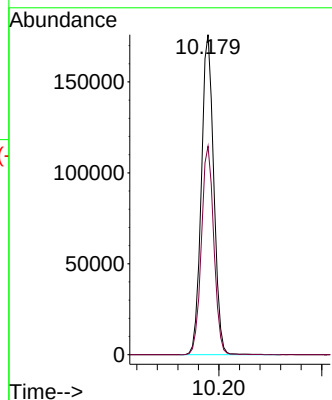
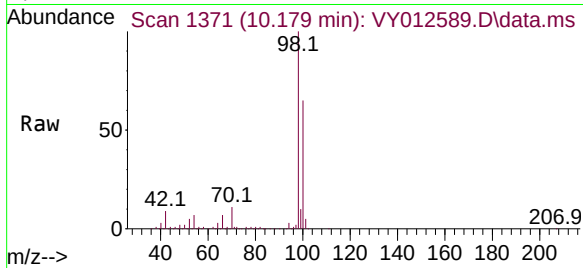




#50
Toluene-d8
Concen: 39.369 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012589.D
Acq: 14 Feb 2023 15:21

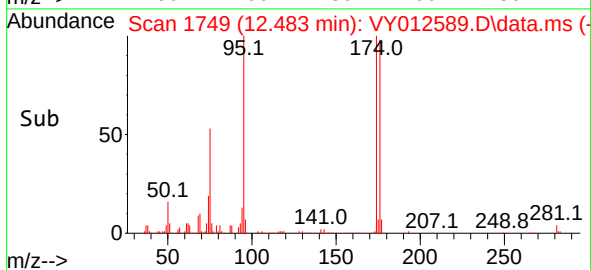
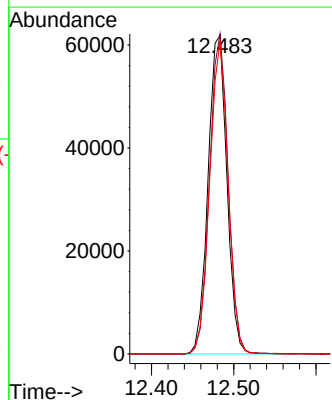
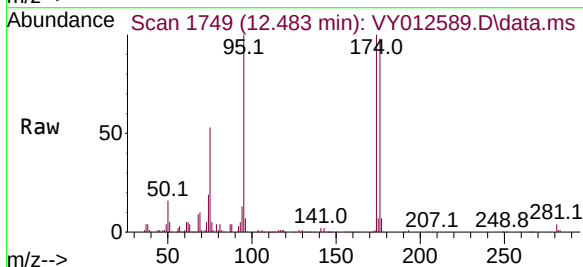
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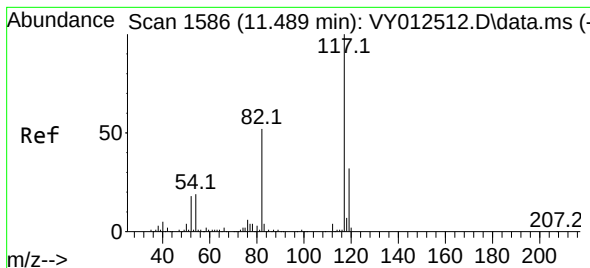
Tgt Ion: 98 Resp: 294023
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 37.937 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012589.D
Acq: 14 Feb 2023 15:21

Tgt Ion: 95 Resp: 98826
Ion Ratio Lower Upper
95 100
174 99.3 0.0 188.0
176 95.6 0.0 183.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012589.D

Acq: 14 Feb 2023 15:21

Instrument :

MSVOA_Y

ClientSampleId :

VOC-GRAB-40

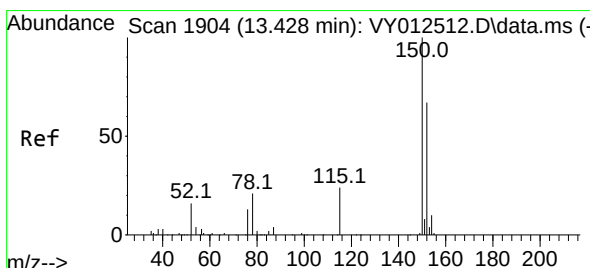
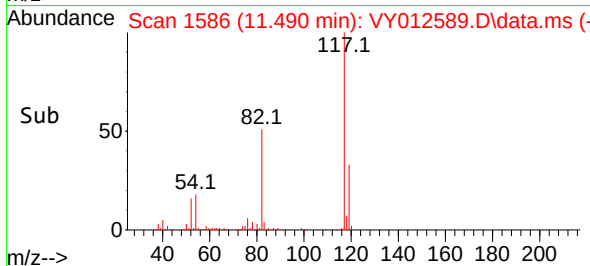
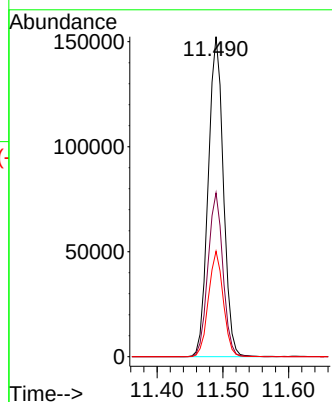
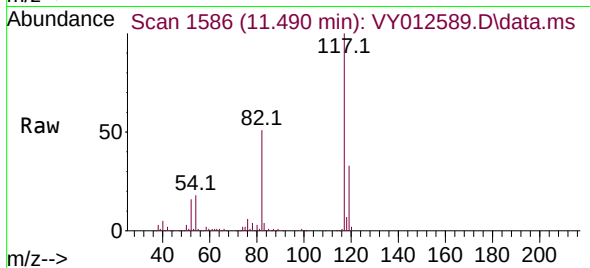
Tgt Ion:117 Resp: 244349

Ion Ratio Lower Upper

117 100

82 51.2 41.7 62.5

119 32.9 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY012589.D

Acq: 14 Feb 2023 15:21

Tgt Ion:152 Resp: 118724

Ion Ratio Lower Upper

152 100

115 56.7 28.1 84.3

150 156.5 0.0 351.0

