

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020823\
 Data File : VY012538.D
 Acq On : 08 Feb 2023 13:28
 Operator : KP/MD
 Sample : 01464-01
 Misc : 4.13g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-52

Quant Time: Feb 09 07:13:50 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)

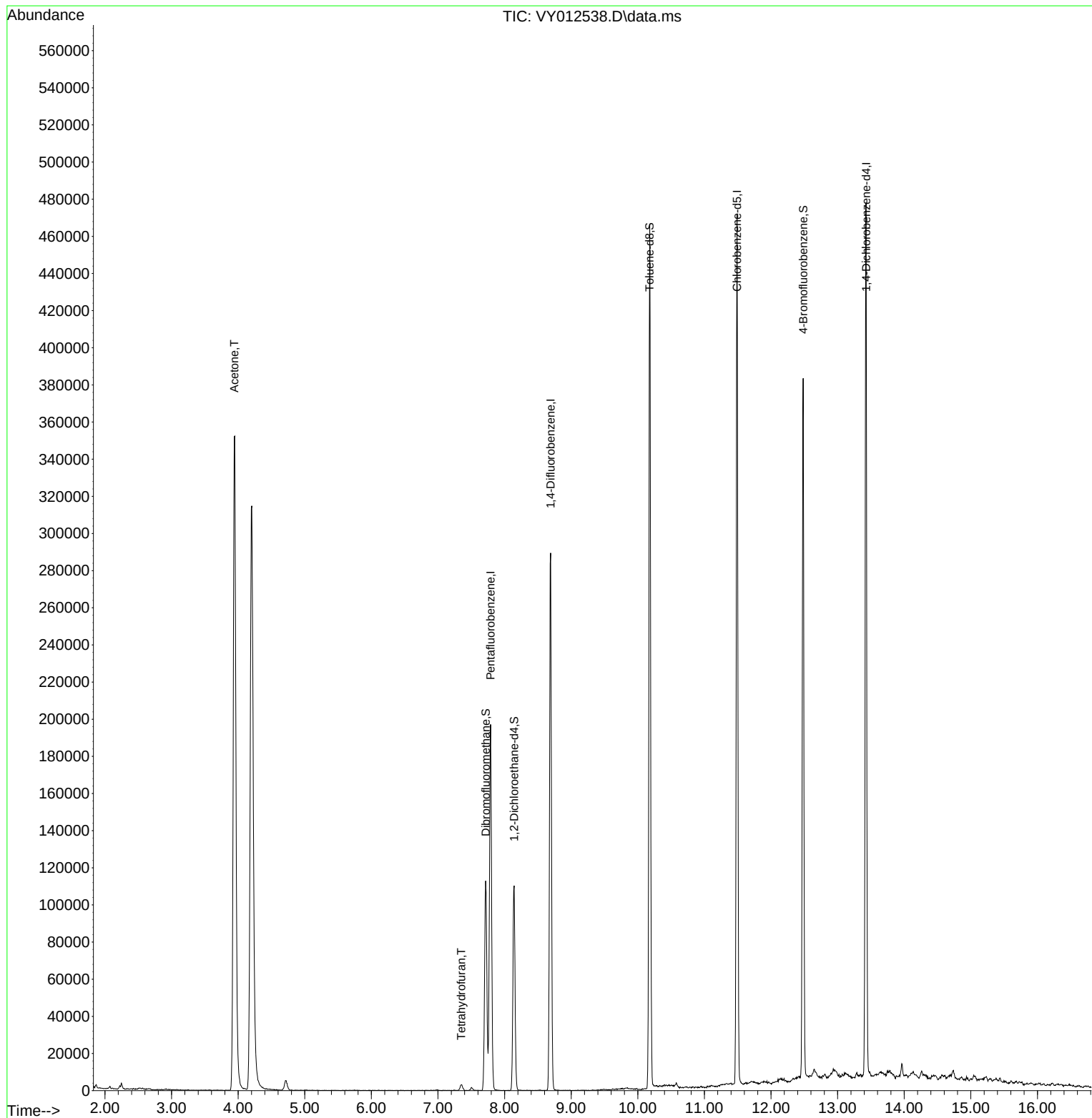
Internal Standards						
1) Pentafluorobenzene	7.789	168	158041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	260132	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	264823	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	130013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	91768	45.663	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.320%		
35) Dibromofluoromethane	7.716	113	77983	41.164	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	82.320%		
50) Toluene-d8	10.179	98	313437	39.750	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	79.500%		
62) 4-Bromofluorobenzene	12.483	95	114914	41.781	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	83.560%		
Target Compounds						Qvalue
16) Acetone	3.942	43	614882	1271.205	ug/l	98
29) Tetrahydrofuran	7.350	42	2298	7.921	ug/l	98

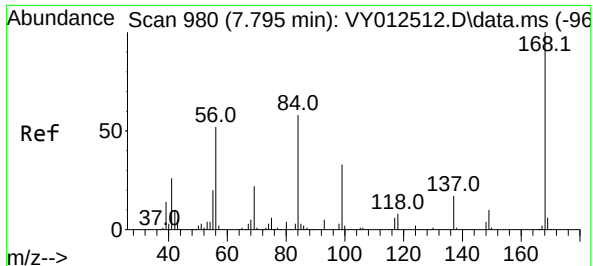
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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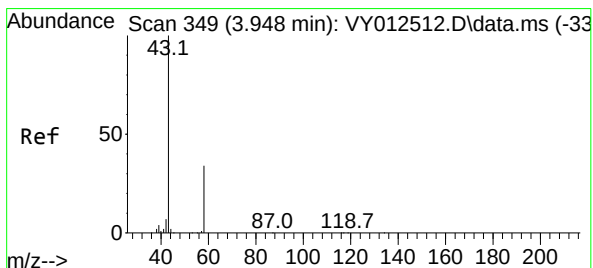
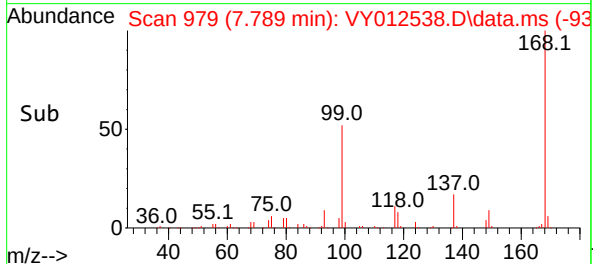
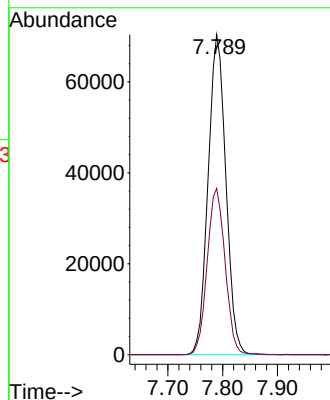
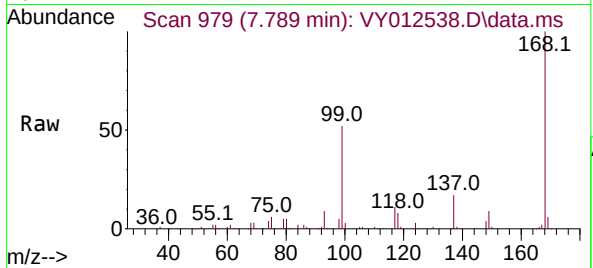




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012538.D
Acq: 08 Feb 2023 13:28

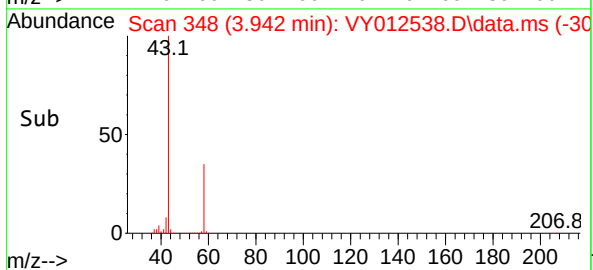
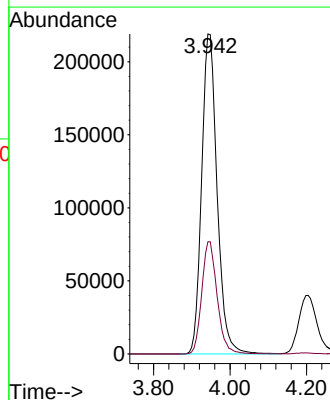
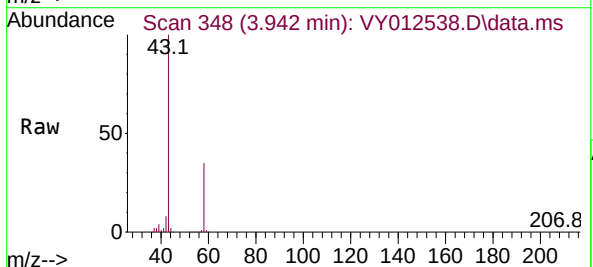
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-52

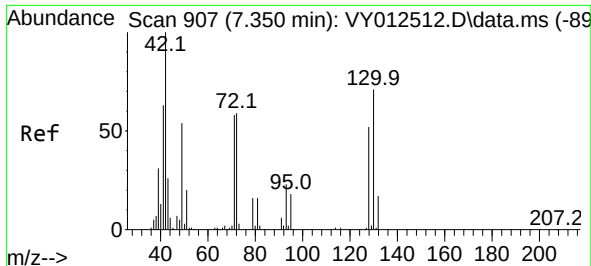
Tgt Ion:168 Resp: 158041
Ion Ratio Lower Upper
168 100
99 51.9 40.8 61.2



#16
Acetone
Concen: 1271.205 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY012538.D
Acq: 08 Feb 2023 13:28

Tgt Ion: 43 Resp: 614882
Ion Ratio Lower Upper
43 100
58 35.0 27.1 40.7





#29

Tetrahydrofuran

Concen: 7.921 ug/l

RT: 7.350 min Scan# 907

Delta R.T. 0.000 min

Lab File: VY012538.D

Acq: 08 Feb 2023 13:28

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-52

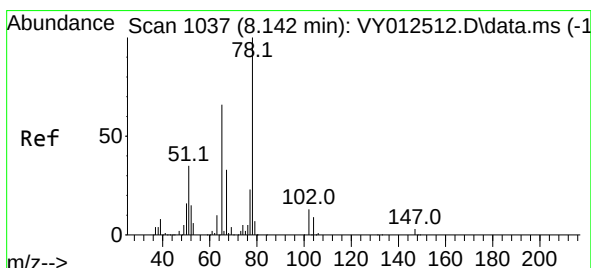
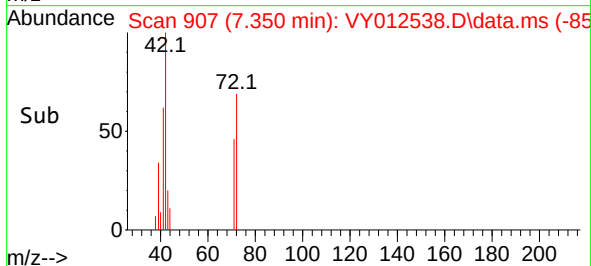
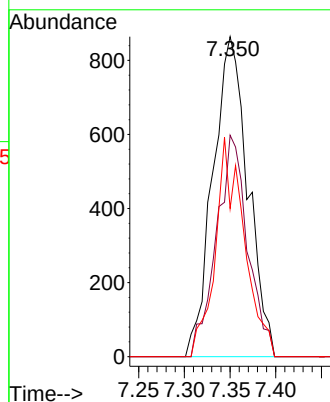
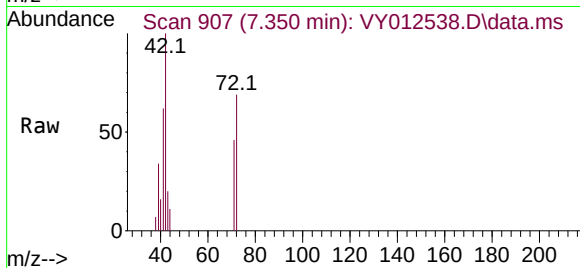
Tgt Ion: 42 Resp: 2298

Ion Ratio Lower Upper

42 100

72 61.9 47.0 70.6

71 56.1 44.6 66.8



#33

1,2-Dichloroethane-d4

Concen: 45.663 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY012538.D

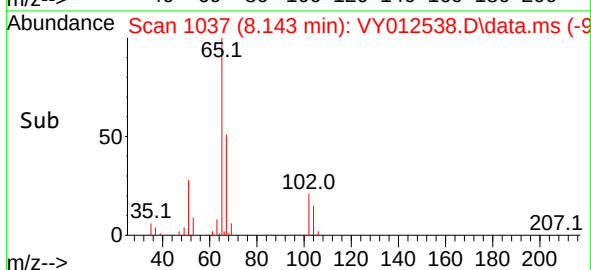
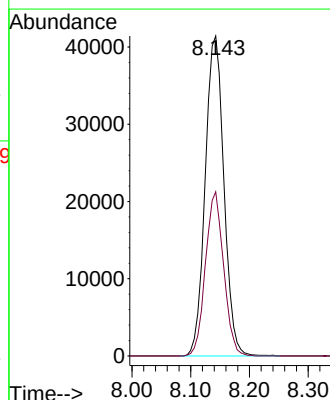
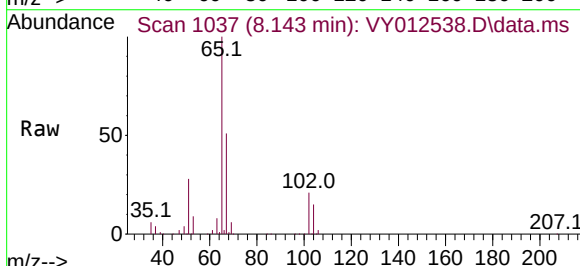
Acq: 08 Feb 2023 13:28

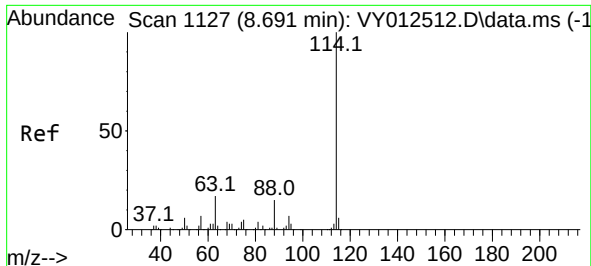
Tgt Ion: 65 Resp: 91768

Ion Ratio Lower Upper

65 100

67 49.8 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: VY012538.D

Acq: 08 Feb 2023 13:28

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-52

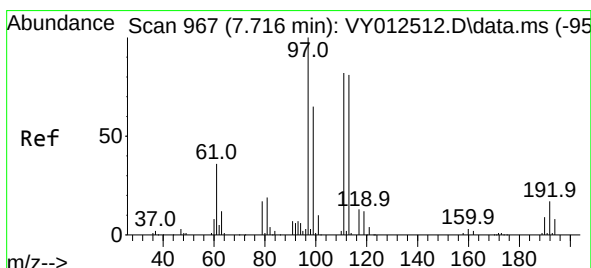
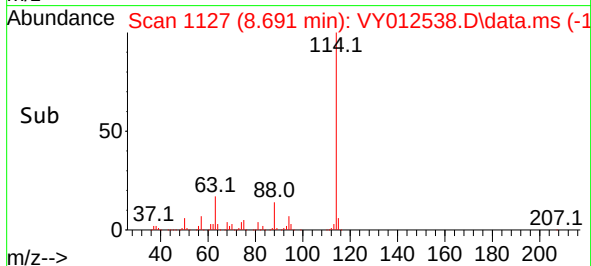
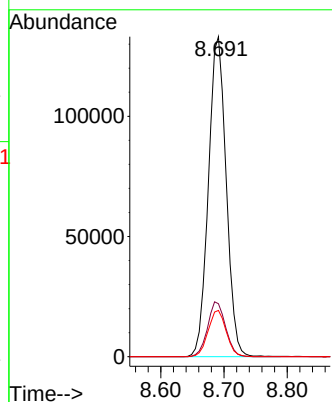
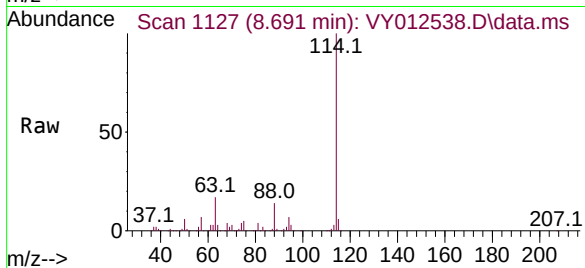
Tgt Ion:114 Resp: 260132

Ion Ratio Lower Upper

114 100

63 16.5 0.0 33.6

88 14.4 0.0 29.8



#35

Dibromofluoromethane

Concen: 41.164 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012538.D

Acq: 08 Feb 2023 13:28

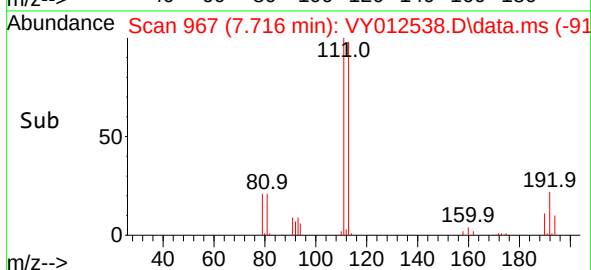
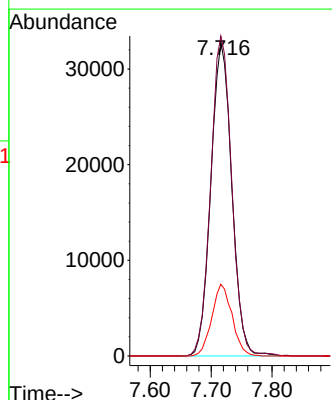
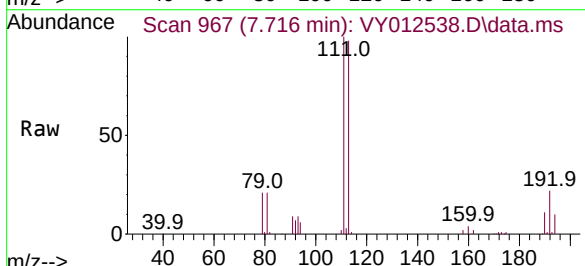
Tgt Ion:113 Resp: 77983

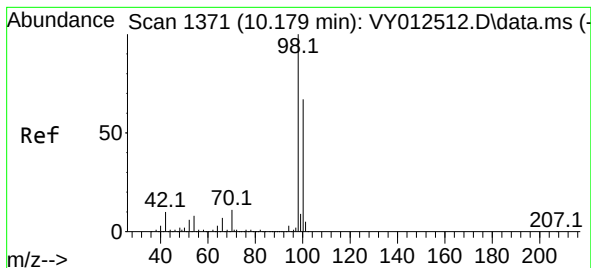
Ion Ratio Lower Upper

113 100

111 102.6 81.9 122.9

192 22.2 17.5 26.3





#50

Toluene-d8

Concen: 39.750 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY012538.D

Acq: 08 Feb 2023 13:28

Instrument :

MSVOA_Y

ClientSampleId :

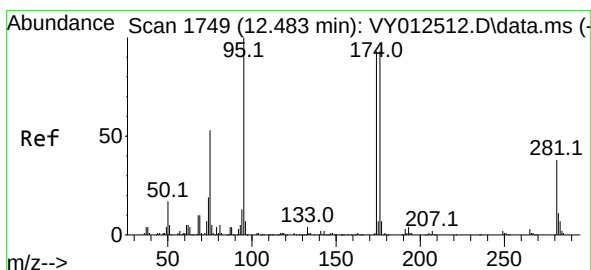
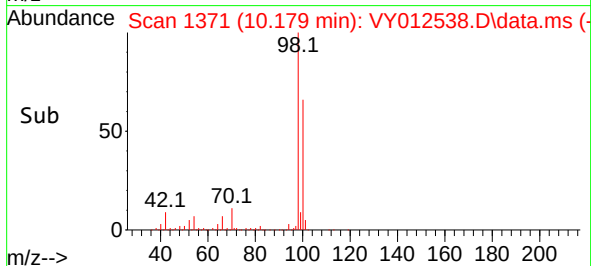
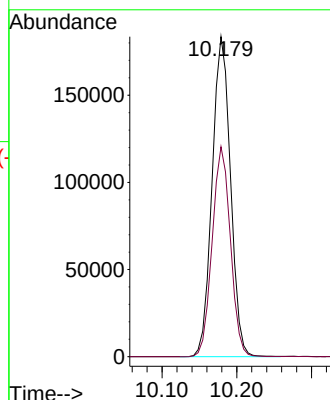
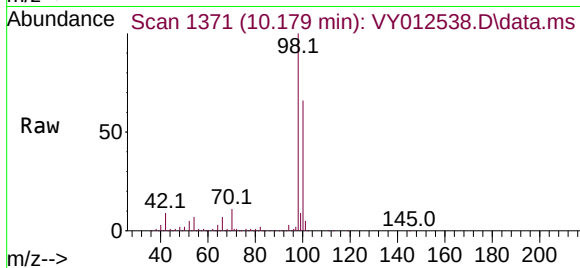
TOT-VOC-GRAB-52

Tgt Ion: 98 Resp: 313437

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 41.781 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY012538.D

Acq: 08 Feb 2023 13:28

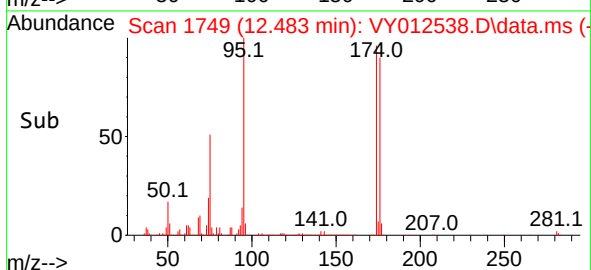
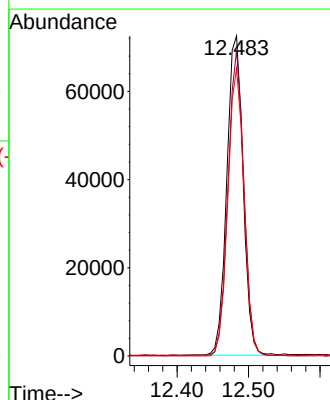
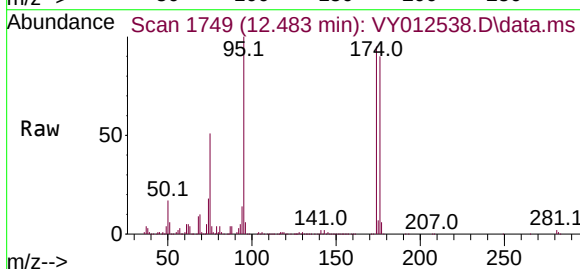
Tgt Ion: 95 Resp: 114914

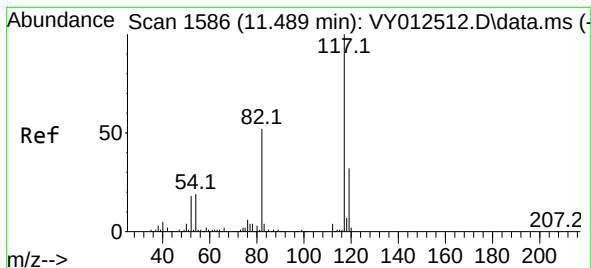
Ion Ratio Lower Upper

95 100

174 93.4 0.0 188.0

176 89.3 0.0 183.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012538.D

Acq: 08 Feb 2023 13:28

Instrument :

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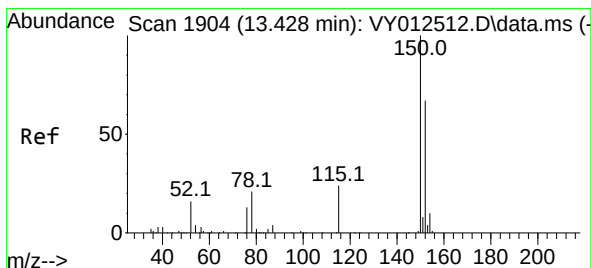
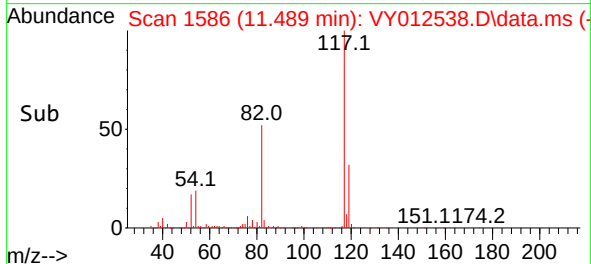
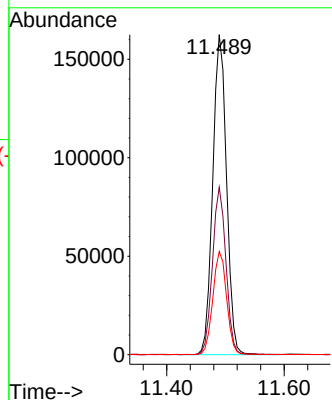
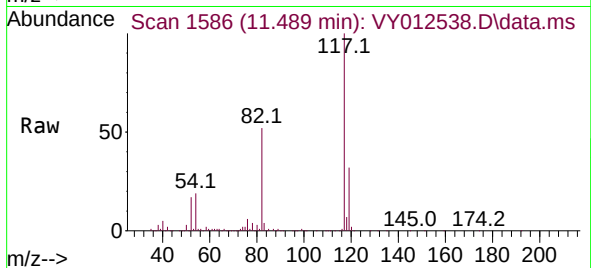
Tgt Ion:117 Resp: 264823

Ion Ratio Lower Upper

117 100

82 52.3 41.7 62.5

119 32.2 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY012538.D

Acq: 08 Feb 2023 13:28

Tgt Ion:152 Resp: 130013

Ion Ratio Lower Upper

152 100

115 56.7 28.1 84.3

150 156.8 0.0 351.0

