

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020823\
 Data File : VY012542.D
 Acq On : 08 Feb 2023 15:02
 Operator : KP/MD
 Sample : 01462-06
 Misc : 2.70g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-4

Quant Time: Feb 09 07:14:35 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)

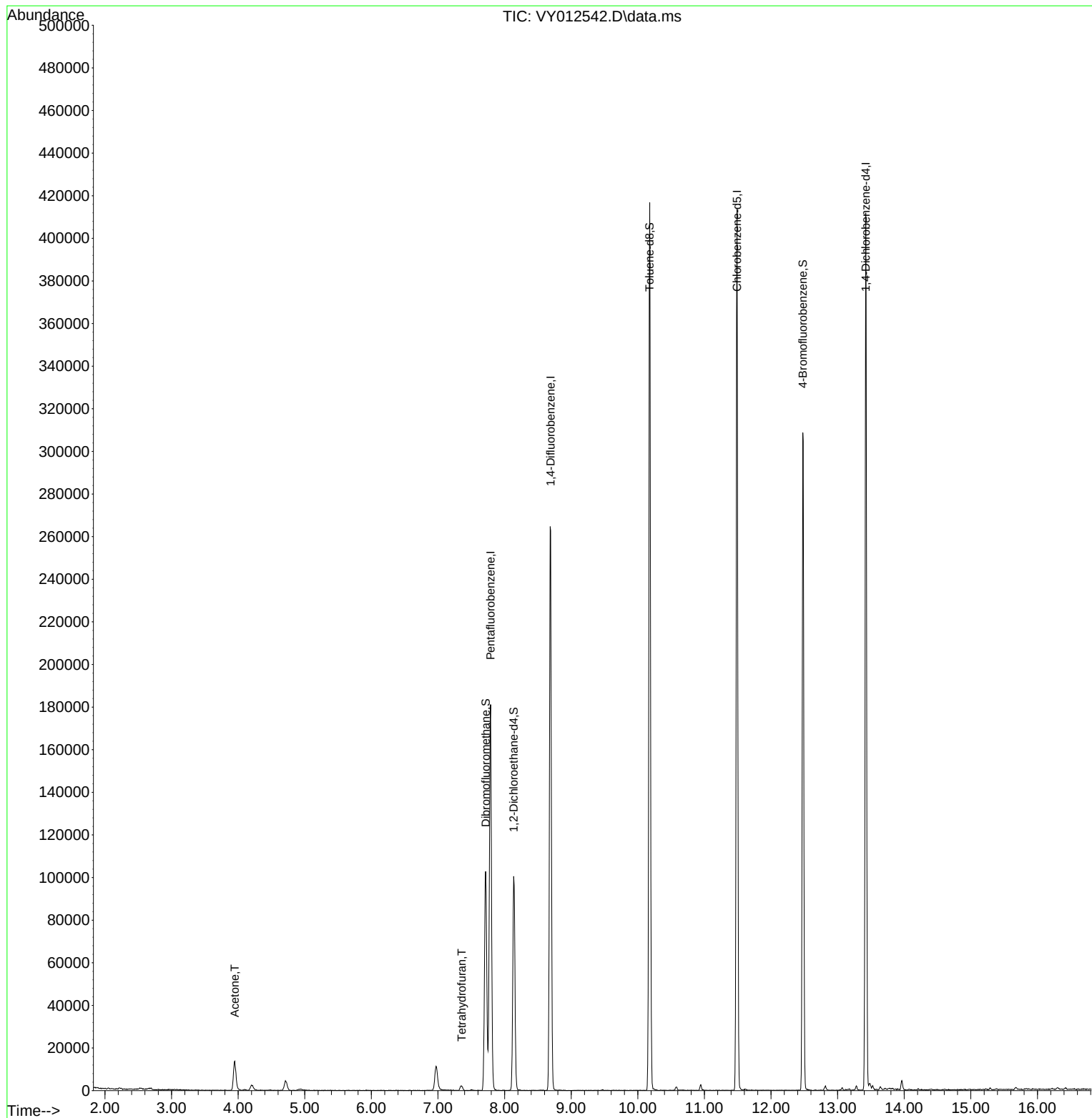
Internal Standards						
1) Pentafluorobenzene	7.789	168	143133	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	238539	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	230597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	109291	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	85655	47.060	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.120%
35) Dibromofluoromethane	7.716	113	71301	41.044	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	82.080%
50) Toluene-d8	10.179	98	279429	38.645	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	77.300%
62) 4-Bromofluorobenzene	12.477	95	93678	37.143	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	74.280%
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	23635	53.952	ug/l	95
29) Tetrahydrofuran	7.356	42	1597	6.078	ug/l	97

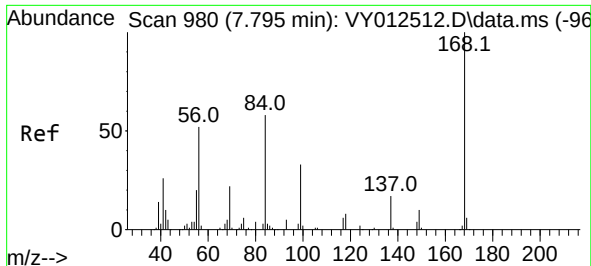
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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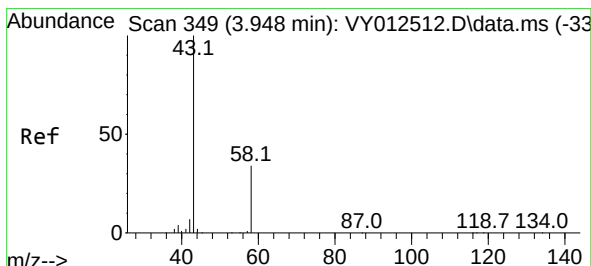
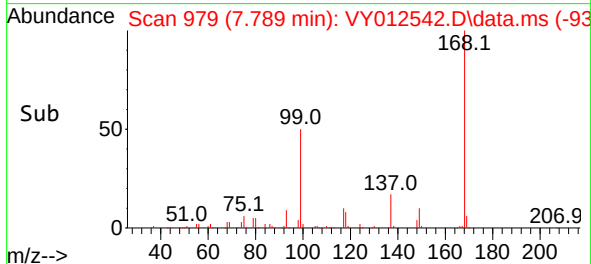
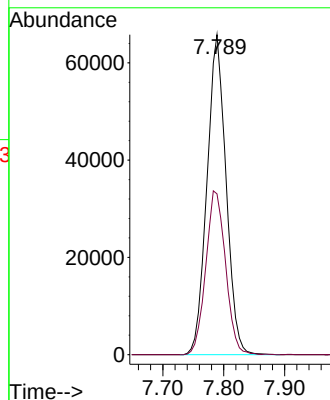
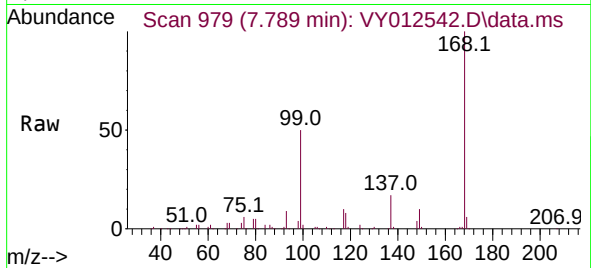




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012542.D
Acq: 08 Feb 2023 15:02

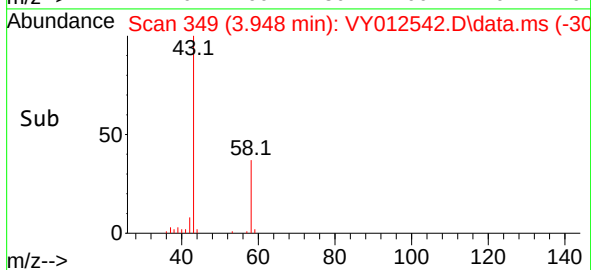
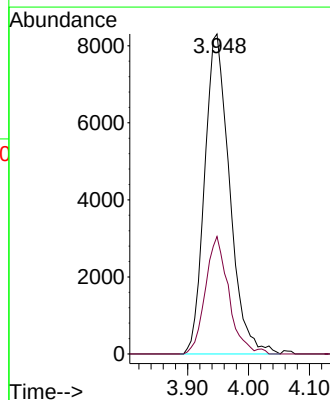
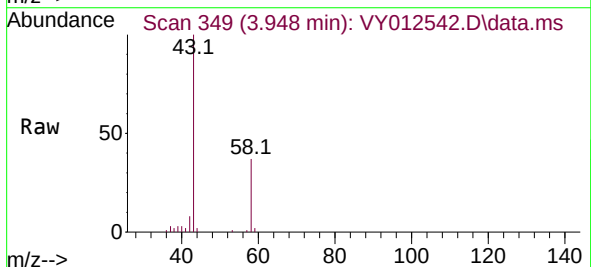
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-4

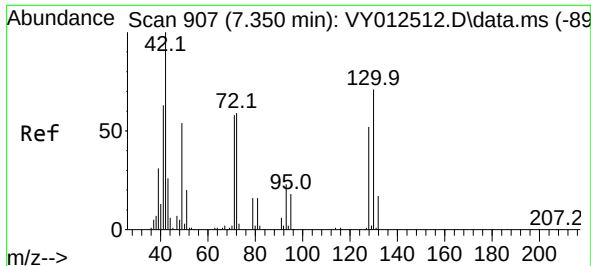
Tgt Ion:168 Resp: 143133
Ion Ratio Lower Upper
168 100
99 50.3 40.8 61.2



#16
Acetone
Concen: 53.952 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY012542.D
Acq: 08 Feb 2023 15:02

Tgt Ion: 43 Resp: 23635
Ion Ratio Lower Upper
43 100
58 36.7 27.1 40.7





#29

Tetrahydrofuran

Concen: 6.078 ug/l

RT: 7.356 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY012542.D

Acq: 08 Feb 2023 15:02

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-4

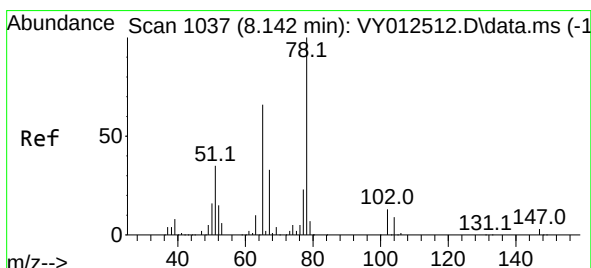
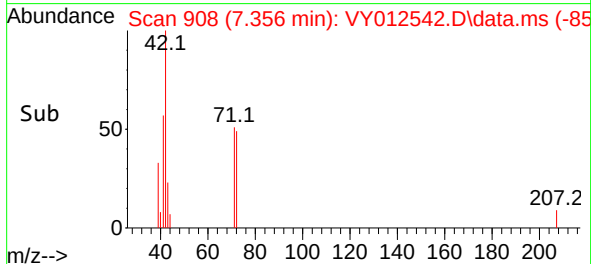
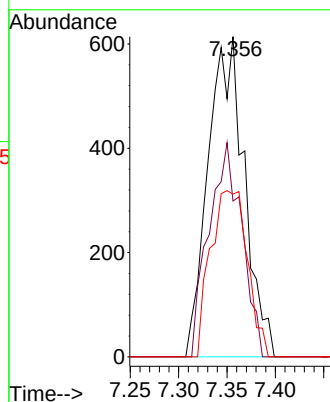
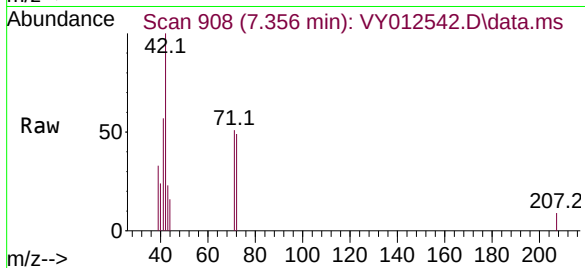
Tgt Ion: 42 Resp: 1597

Ion Ratio Lower Upper

42 100

72 61.0 47.0 70.6

71 53.0 44.6 66.8



#33

1,2-Dichloroethane-d4

Concen: 47.060 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY012542.D

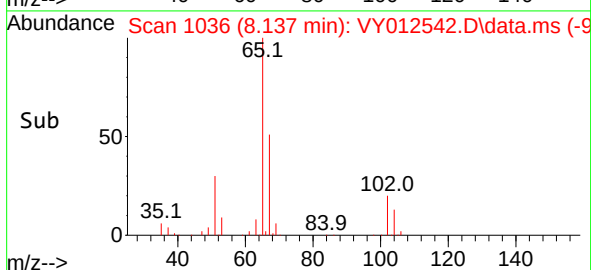
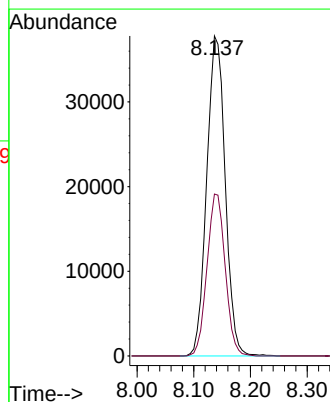
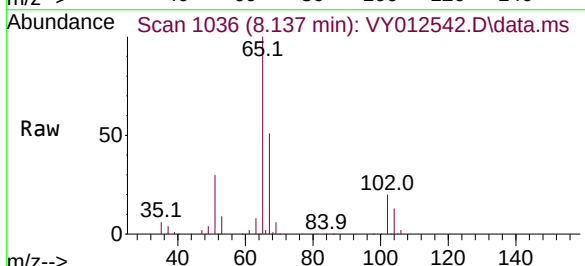
Acq: 08 Feb 2023 15:02

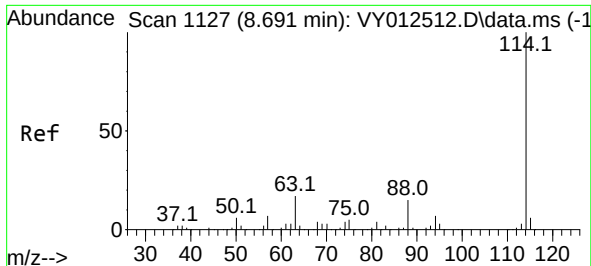
Tgt Ion: 65 Resp: 85655

Ion Ratio Lower Upper

65 100

67 49.7 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: VY012542.D

Acq: 08 Feb 2023 15:02

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-4

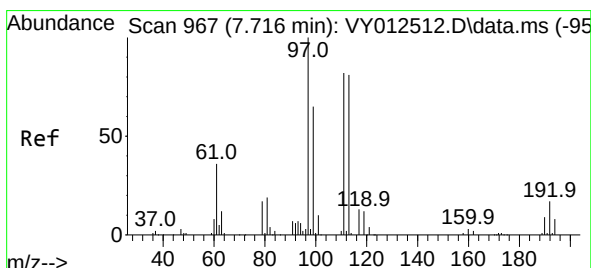
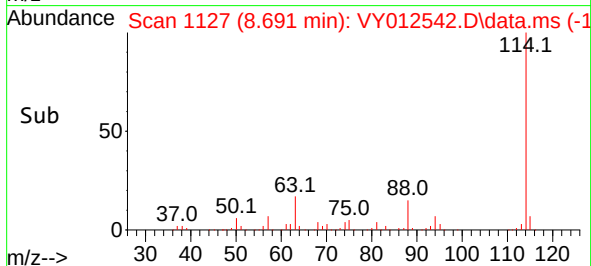
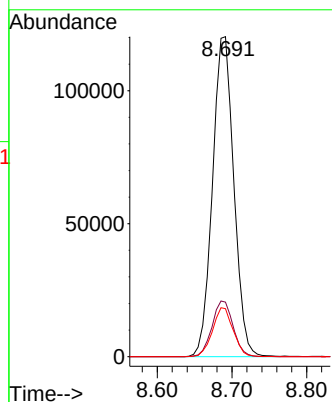
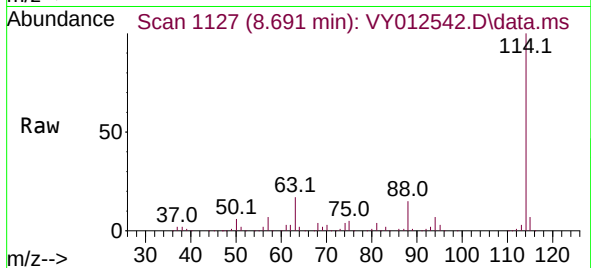
Tgt Ion:114 Resp: 238539

Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.6

88 15.0 0.0 29.8



#35

Dibromofluoromethane

Concen: 41.044 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012542.D

Acq: 08 Feb 2023 15:02

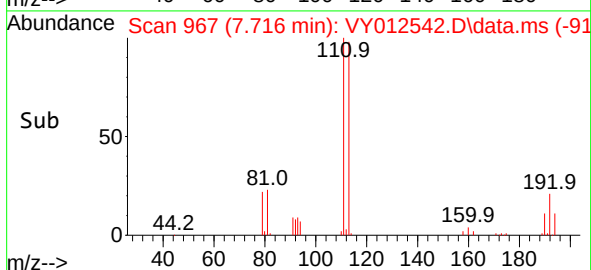
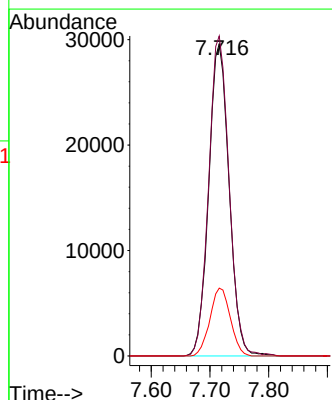
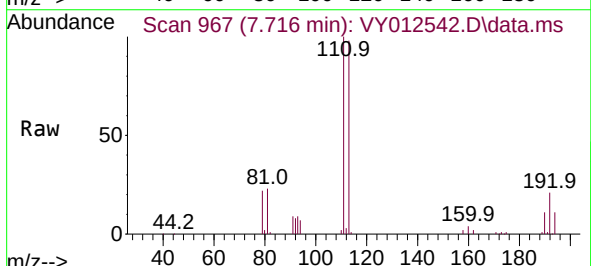
Tgt Ion:113 Resp: 71301

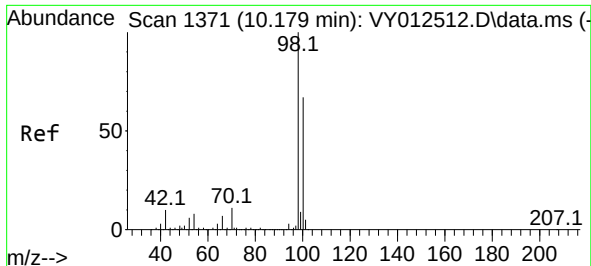
Ion Ratio Lower Upper

113 100

111 102.5 81.9 122.9

192 21.8 17.5 26.3

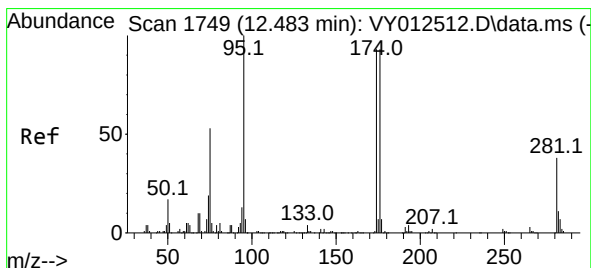
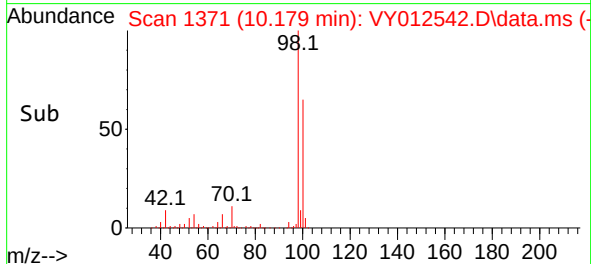
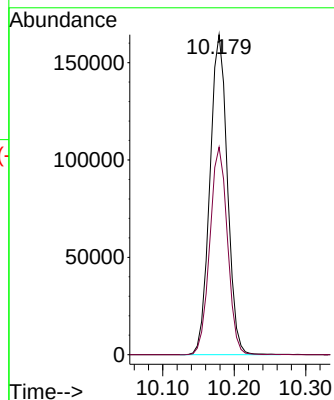
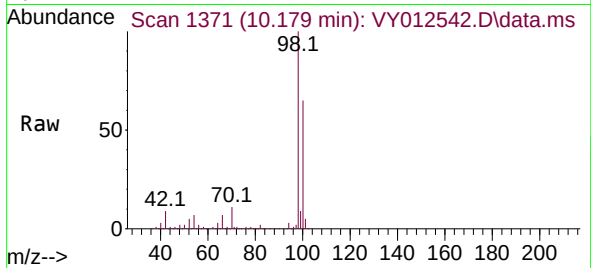




#50
Toluene-d8
Concen: 38.645 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012542.D
Acq: 08 Feb 2023 15:02

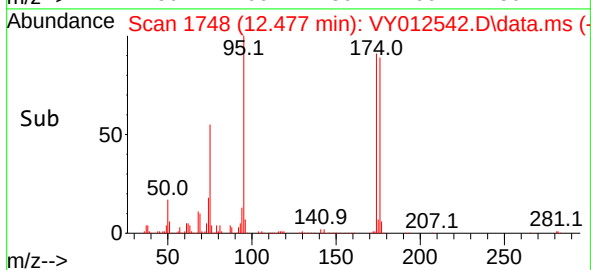
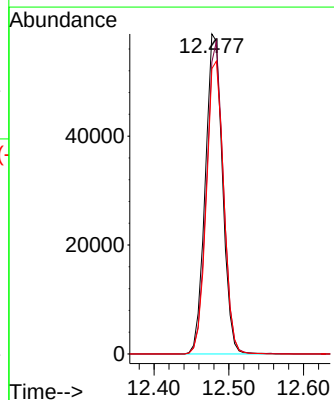
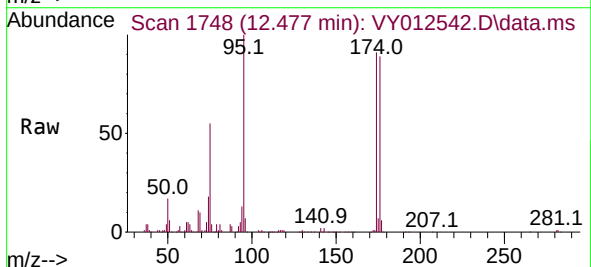
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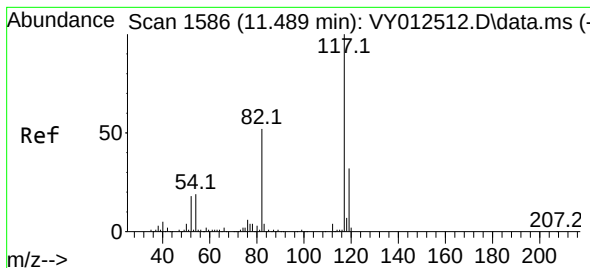
Tgt Ion: 98 Resp: 279429
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 37.143 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY012542.D
Acq: 08 Feb 2023 15:02

Tgt Ion: 95 Resp: 93678
Ion Ratio Lower Upper
95 100
174 95.7 0.0 188.0
176 92.3 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: VY012542.D

Acq: 08 Feb 2023 15:02

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-4

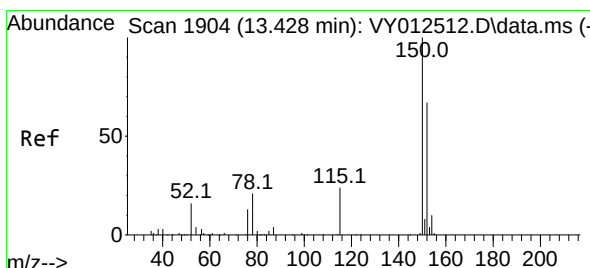
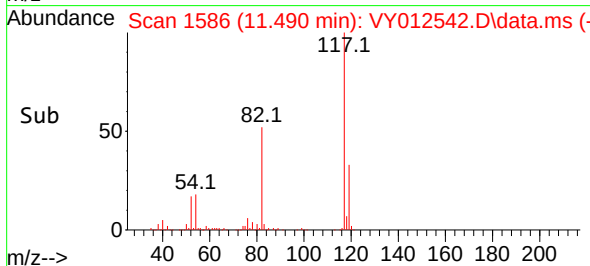
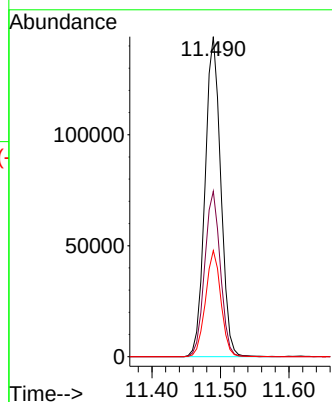
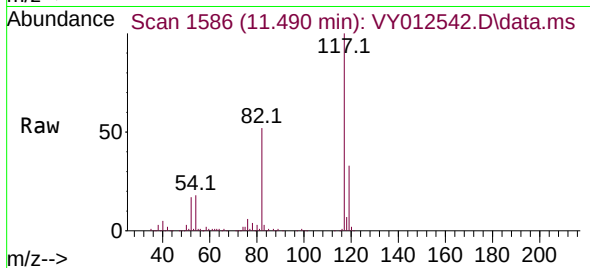
Tgt Ion:117 Resp: 230597

Ion Ratio Lower Upper

117 100

82 51.7 41.7 62.5

119 33.2 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: VY012542.D

Acq: 08 Feb 2023 15:02

Tgt Ion:152 Resp: 109291

Ion Ratio Lower Upper

152 100

115 56.3 28.1 84.3

150 156.9 0.0 351.0

