

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021423\
 Data File : VY012591.D
 Acq On : 14 Feb 2023 16:08
 Operator : KP/MD
 Sample : 01538-22
 Misc : 3.25g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-48

Quant Time: Feb 15 01:30:14 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)

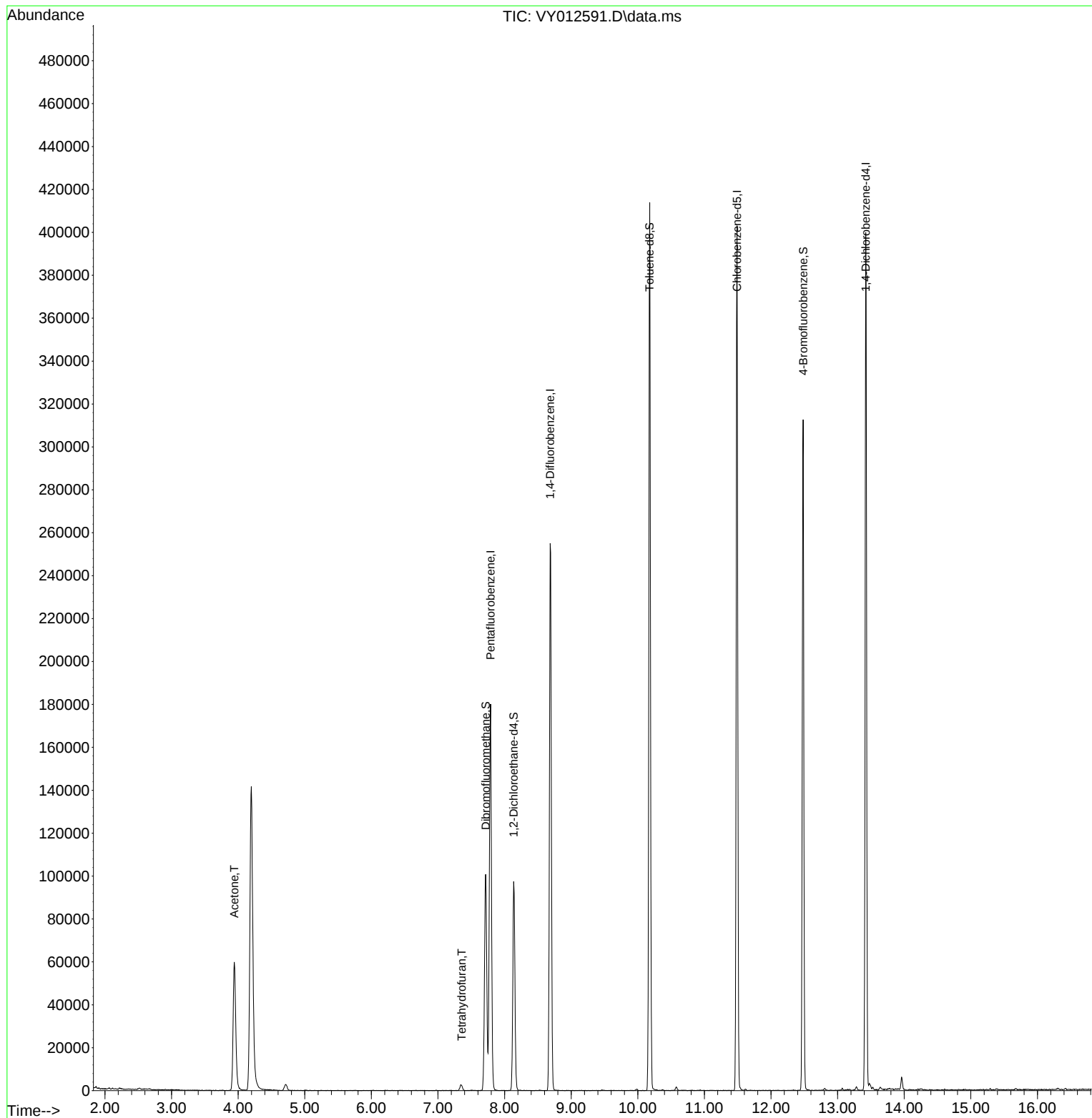
Internal Standards						
1) Pentafluorobenzene	7.789	168	141836	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	232642	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	228476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	110041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	81562	45.221	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.440%
35) Dibromofluoromethane	7.716	113	68288	40.306	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	80.620%
50) Toluene-d8	10.179	98	275043	39.003	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	78.000%
62) 4-Bromofluorobenzene	12.483	95	91646	37.259	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	74.520%
Target Compounds						
					Qvalue	
16) Acetone	3.942	43	102646	236.455	ug/l	100
29) Tetrahydrofuran	7.356	42	1854	7.120	ug/l	92

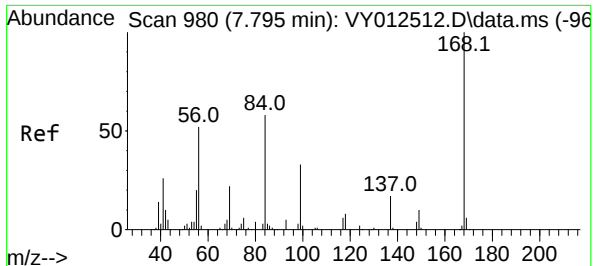
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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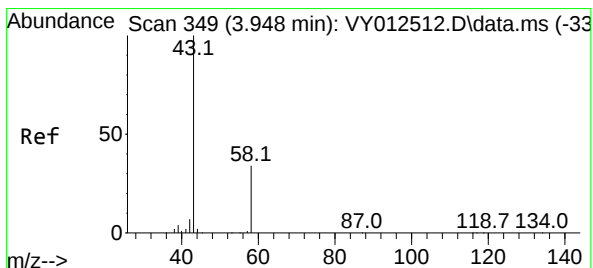
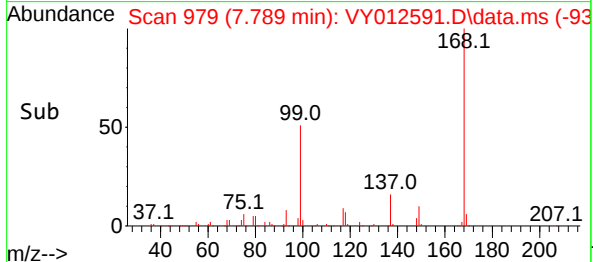
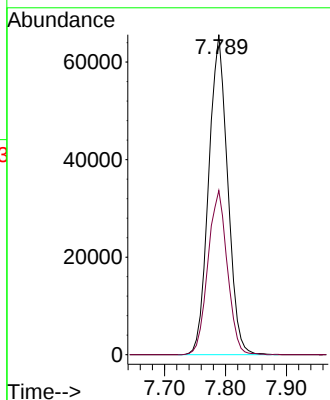
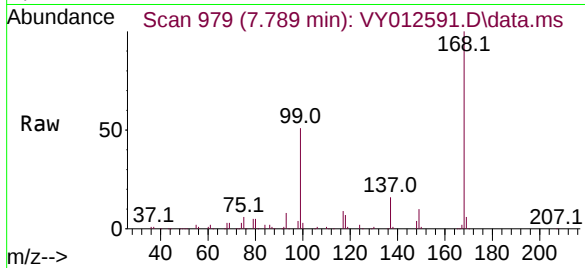




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012591.D
Acq: 14 Feb 2023 16:08

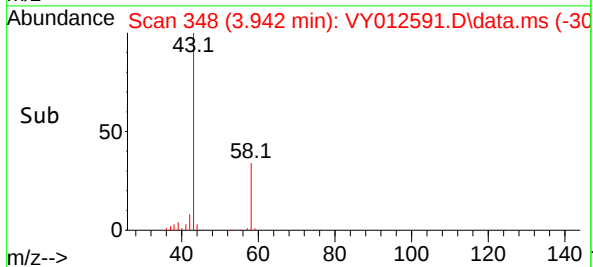
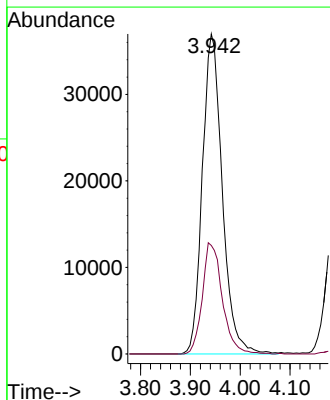
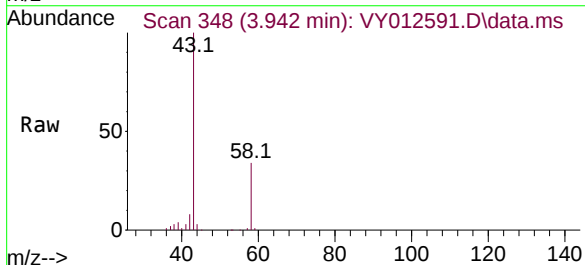
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-48

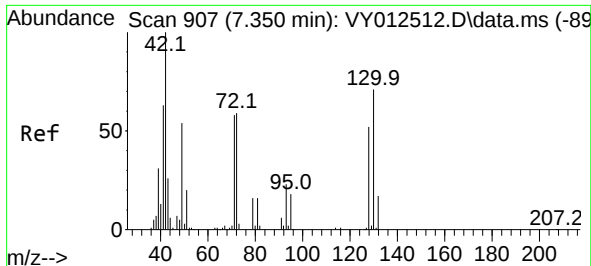
Tgt Ion:168 Resp: 141836
Ion Ratio Lower Upper
168 100
99 51.3 40.8 61.2



#16
Acetone
Concen: 236.455 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY012591.D
Acq: 14 Feb 2023 16:08

Tgt Ion: 43 Resp: 102646
Ion Ratio Lower Upper
43 100
58 33.9 27.1 40.7





#29

Tetrahydrofuran

Concen: 7.120 ug/l

RT: 7.356 min Scan# 907

Delta R.T. 0.006 min

Lab File: VY012591.D

Acq: 14 Feb 2023 16:08

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-48

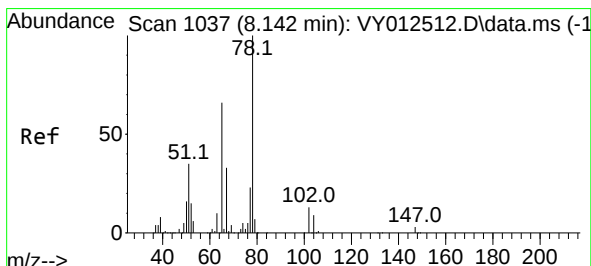
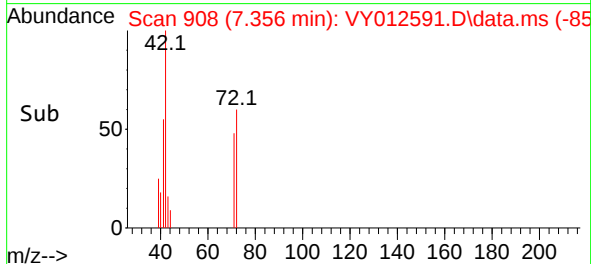
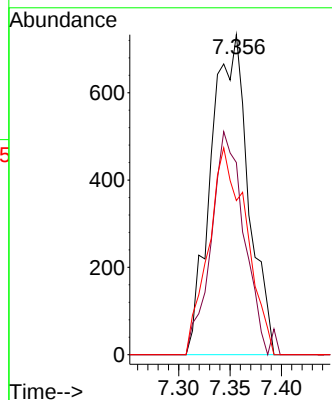
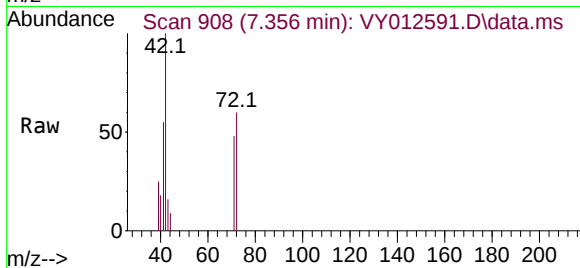
Tgt Ion: 42 Resp: 1854

Ion Ratio Lower Upper

42 100

72 60.8 47.0 70.6

71 65.3 44.6 66.8



#33

1,2-Dichloroethane-d4

Concen: 45.221 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY012591.D

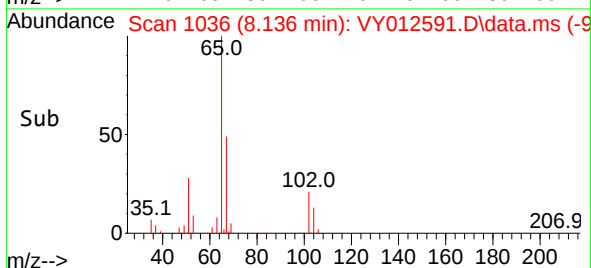
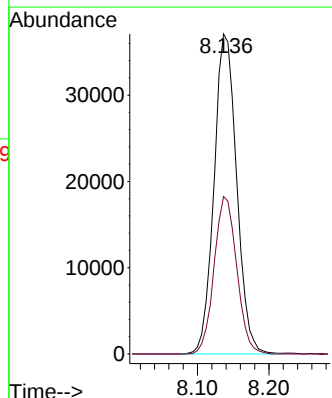
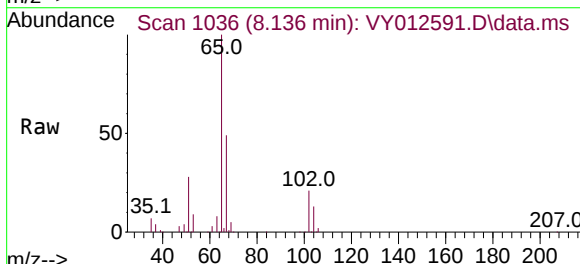
Acq: 14 Feb 2023 16:08

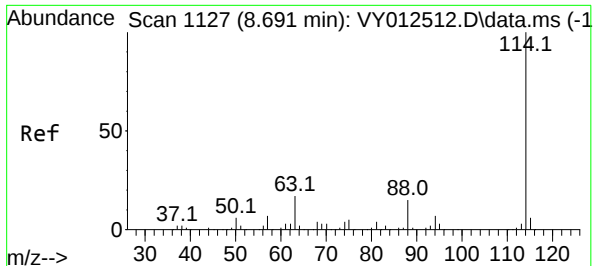
Tgt Ion: 65 Resp: 81562

Ion Ratio Lower Upper

65 100

67 49.2 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012591.D

Acq: 14 Feb 2023 16:08

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-48

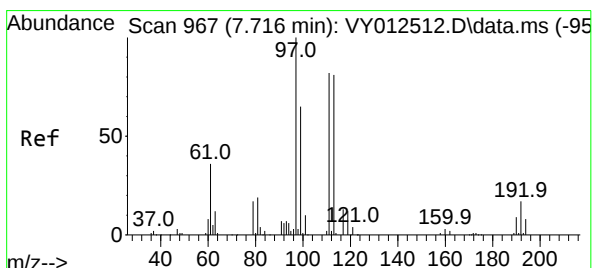
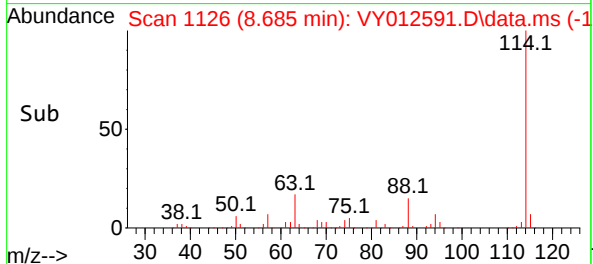
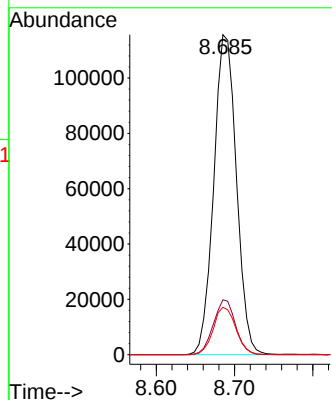
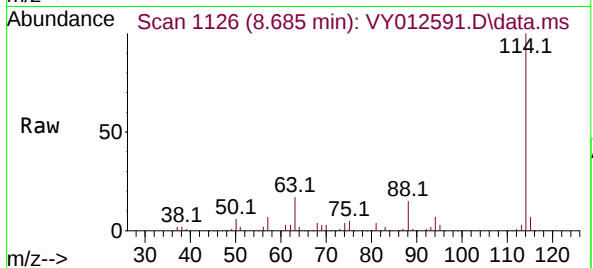
Tgt Ion:114 Resp: 232642

Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.6

88 14.8 0.0 29.8



#35

Dibromofluoromethane

Concen: 40.306 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012591.D

Acq: 14 Feb 2023 16:08

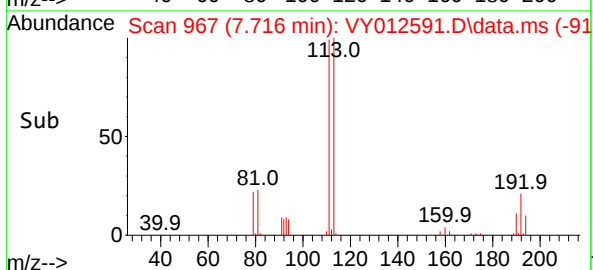
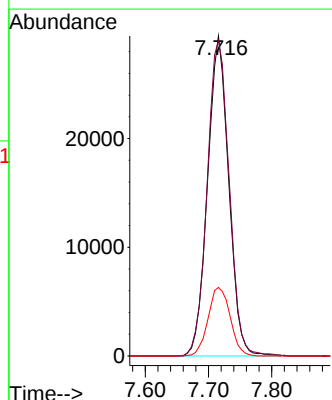
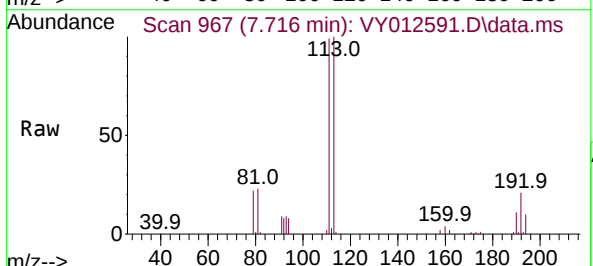
Tgt Ion:113 Resp: 68288

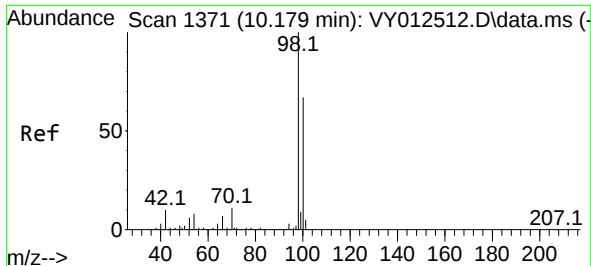
Ion Ratio Lower Upper

113 100

111 103.0 81.9 122.9

192 22.4 17.5 26.3

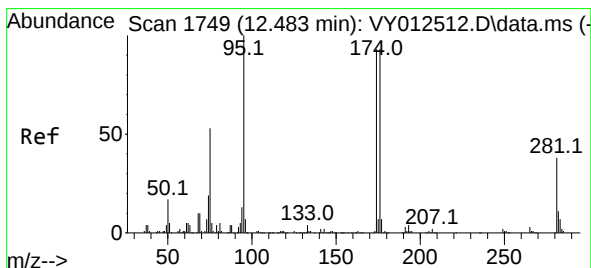
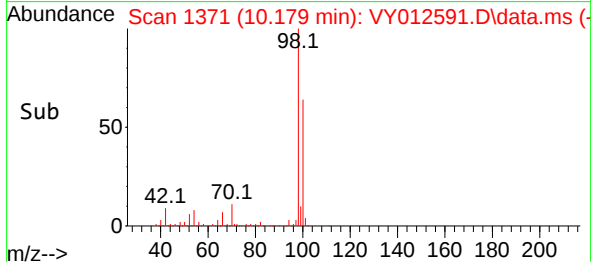
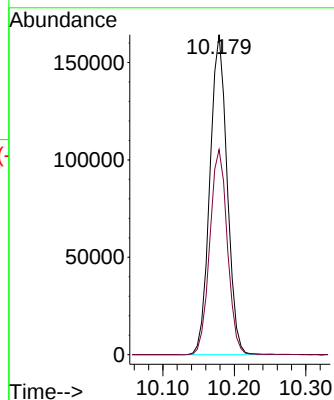
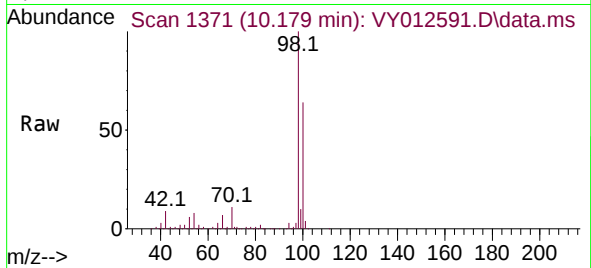




#50
Toluene-d8
Concen: 39.003 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012591.D
Acq: 14 Feb 2023 16:08

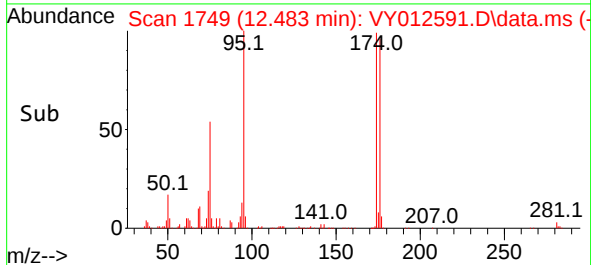
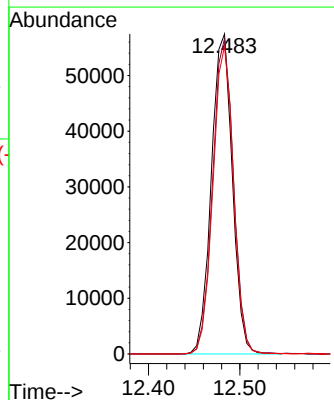
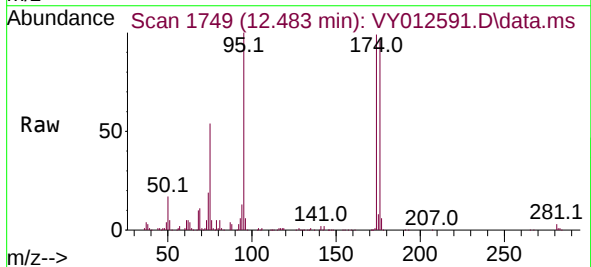
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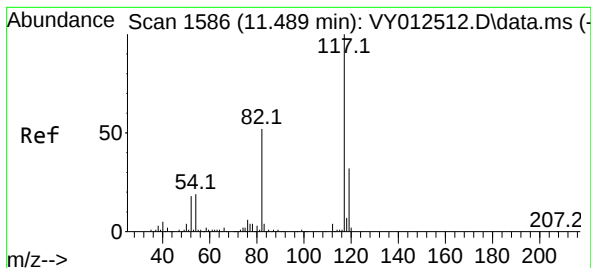
Tgt Ion: 98 Resp: 275043
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 37.259 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012591.D
Acq: 14 Feb 2023 16:08

Tgt Ion: 95 Resp: 91646
Ion Ratio Lower Upper
95 100
174 97.7 0.0 188.0
176 94.5 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: VY012591.D

Acq: 14 Feb 2023 16:08

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-48

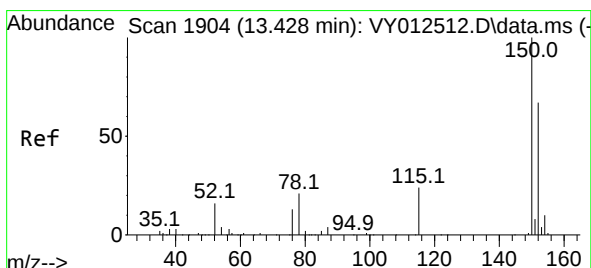
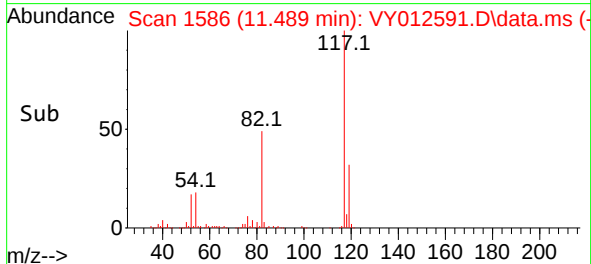
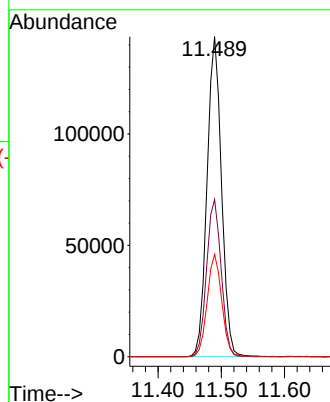
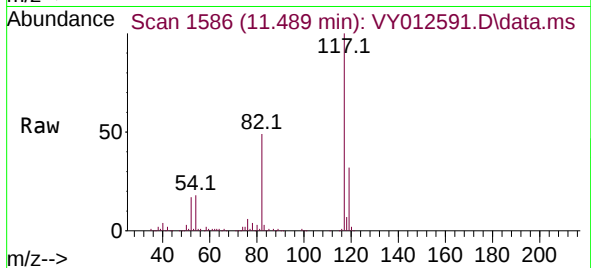
Tgt Ion:117 Resp: 228476

Ion Ratio Lower Upper

117 100

82 49.1 41.7 62.5

119 32.0 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: VY012591.D

Acq: 14 Feb 2023 16:08

Tgt Ion:152 Resp: 110041

Ion Ratio Lower Upper

152 100

115 56.6 28.1 84.3

150 155.6 0.0 351.0

