

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020823\
 Data File : VY012543.D
 Acq On : 08 Feb 2023 15:25
 Operator : KP/MD
 Sample : 01462-07
 Misc : 4.31g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-8

Quant Time: Feb 09 07:14:43 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)

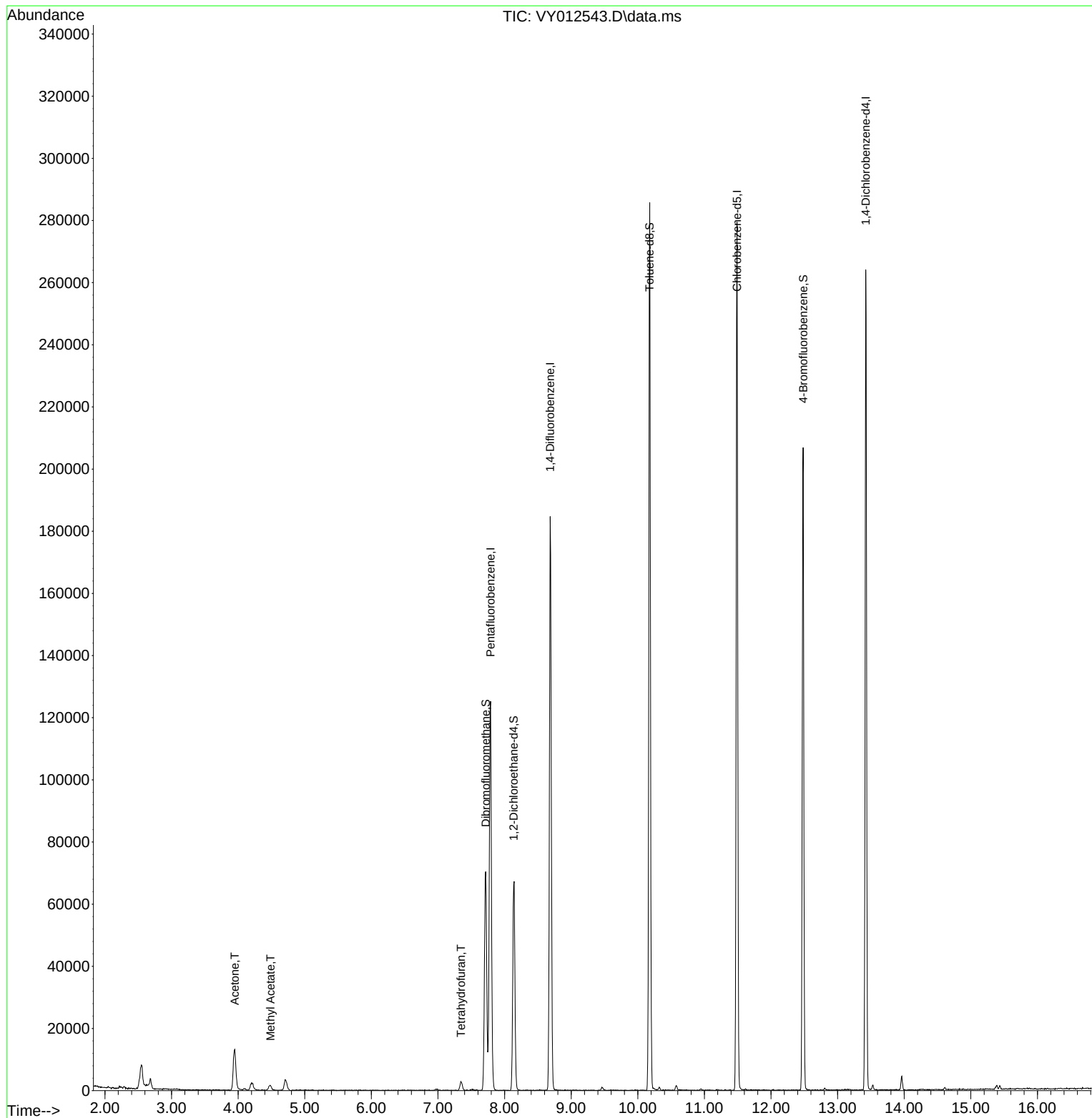
Internal Standards						
1) Pentafluorobenzene	7.789	168	100643	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	164465	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	156254	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	71952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	57688	45.076	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.160%
35) Dibromofluoromethane	7.716	113	48328	40.350	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	80.700%
50) Toluene-d8	10.179	98	192629	38.639	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	77.280%
62) 4-Bromofluorobenzene	12.483	95	62004	35.657	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	71.320%
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	23560	76.487	ug/l	97
18) Methyl Acetate	4.485	43	3036	4.101	ug/l	96
29) Tetrahydrofuran	7.344	42	1861	10.072	ug/l	89

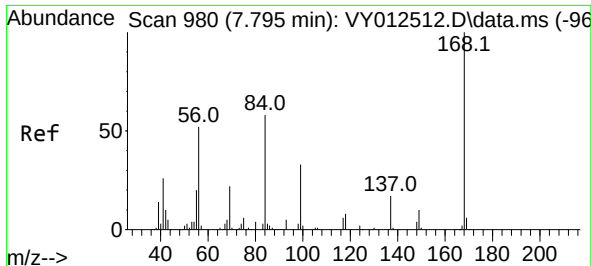
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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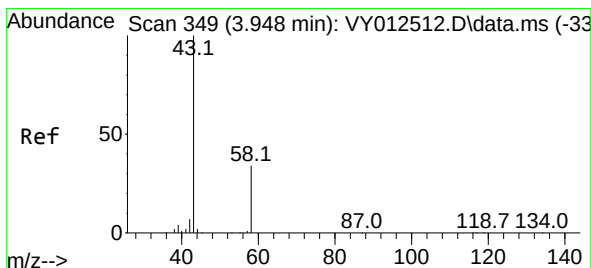
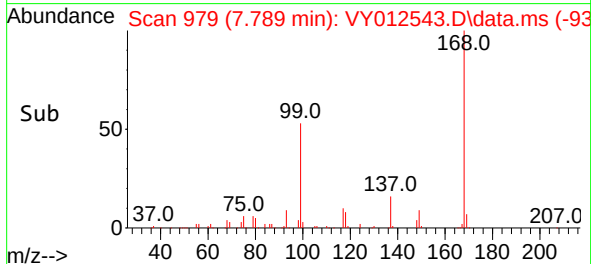
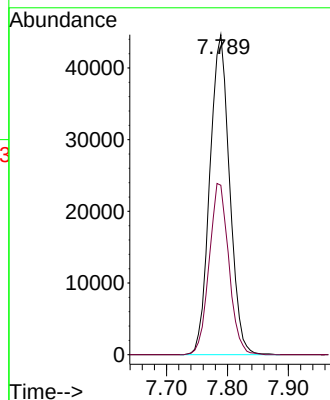
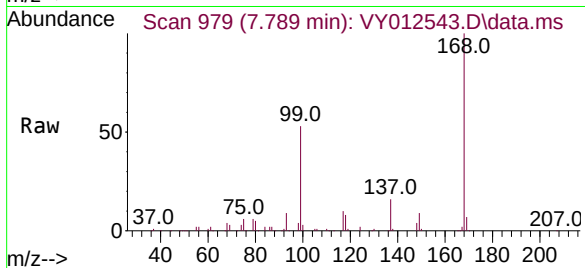




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012543.D
Acq: 08 Feb 2023 15:25

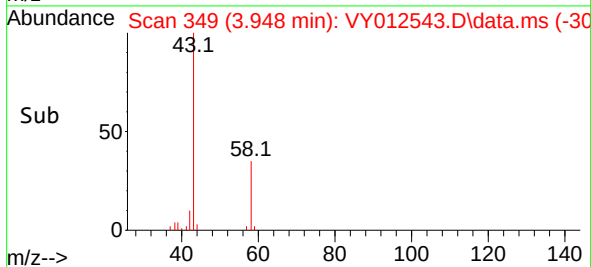
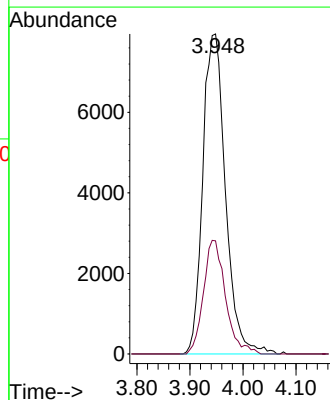
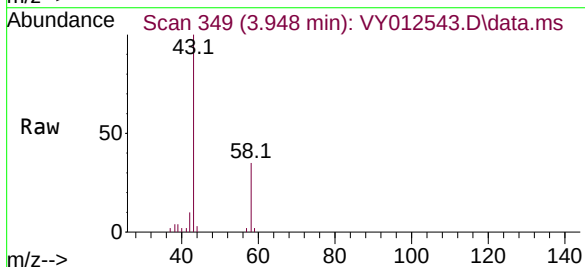
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-8

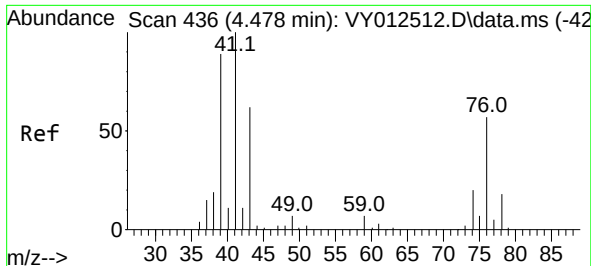
Tgt Ion:168 Resp: 100643
Ion Ratio Lower Upper
168 100
99 53.0 40.8 61.2



#16
Acetone
Concen: 76.487 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY012543.D
Acq: 08 Feb 2023 15:25

Tgt Ion: 43 Resp: 23560
Ion Ratio Lower Upper
43 100
58 35.3 27.1 40.7

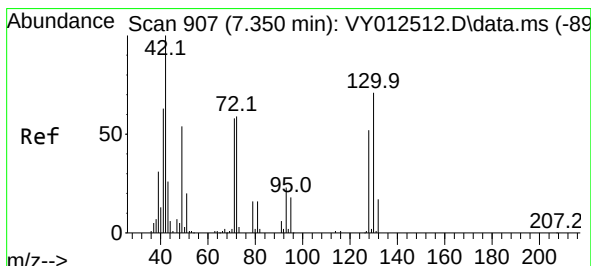
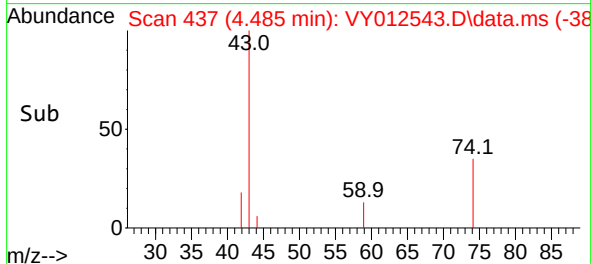
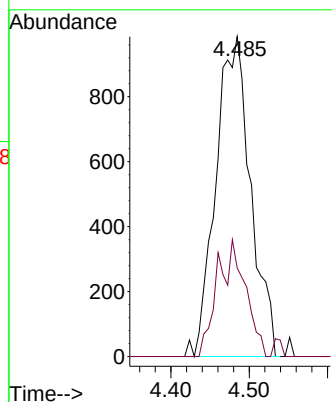
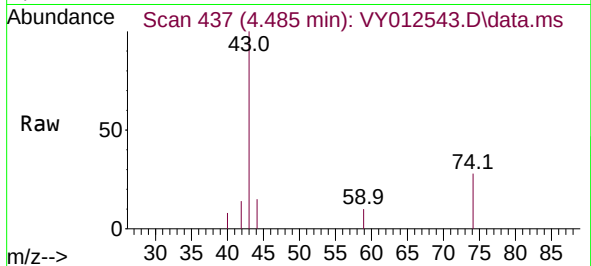




#18
Methyl Acetate
Concen: 4.101 ug/l
RT: 4.485 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY012543.D
Acq: 08 Feb 2023 15:25

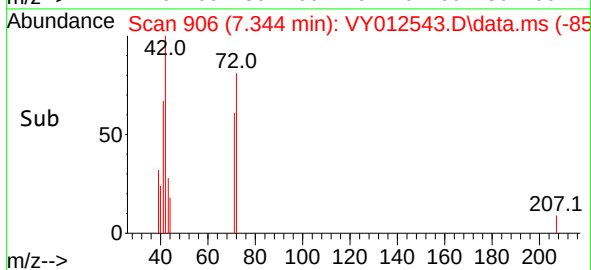
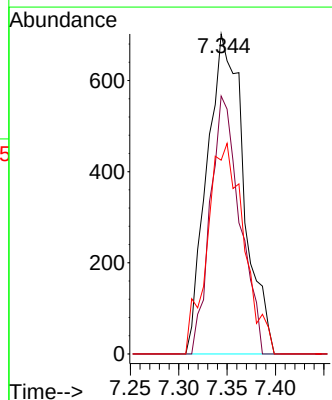
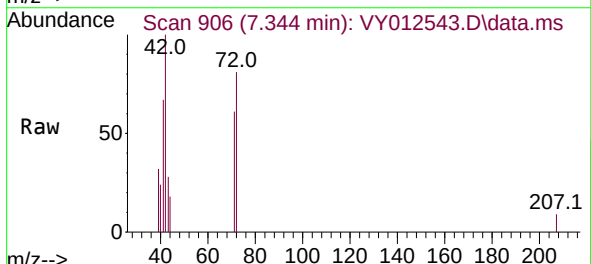
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-8

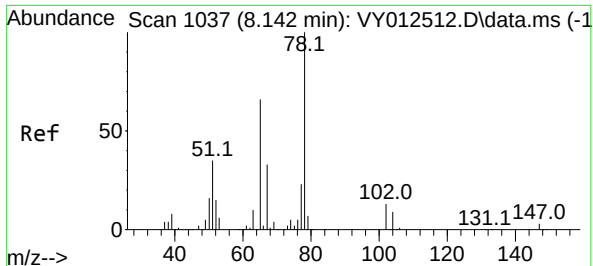
Tgt Ion: 43 Resp: 3036
Ion Ratio Lower Upper
43 100
74 29.6 25.6 38.4



#29
Tetrahydrofuran
Concen: 10.072 ug/l
RT: 7.344 min Scan# 906
Delta R.T. -0.006 min
Lab File: VY012543.D
Acq: 08 Feb 2023 15:25

Tgt Ion: 42 Resp: 1861
Ion Ratio Lower Upper
42 100
72 64.8 47.0 70.6
71 65.7 44.6 66.8





#33

1,2-Dichloroethane-d4

Concen: 45.076 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY012543.D

Acq: 08 Feb 2023 15:25

Instrument :

MSVOA_Y

ClientSampleId :

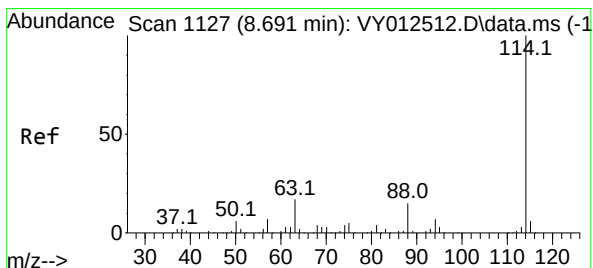
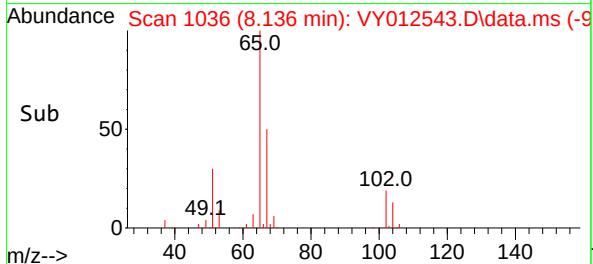
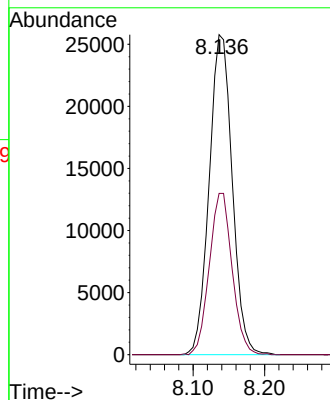
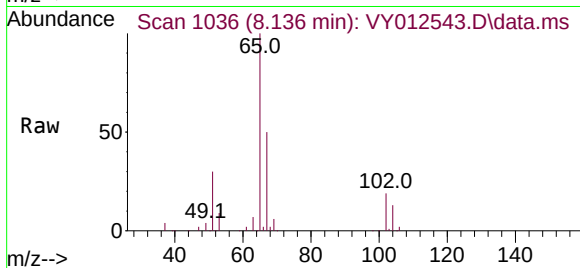
TOT-VOC-GRAB-8

Tgt Ion: 65 Resp: 57688

Ion Ratio Lower Upper

65 100

67 49.9 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: VY012543.D

Acq: 08 Feb 2023 15:25

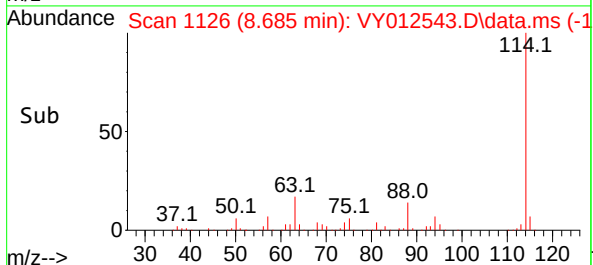
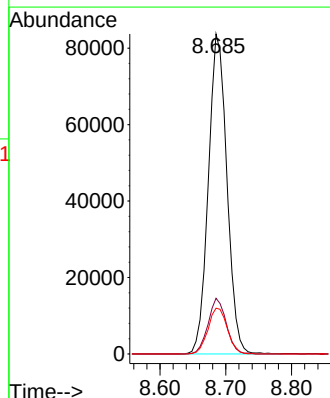
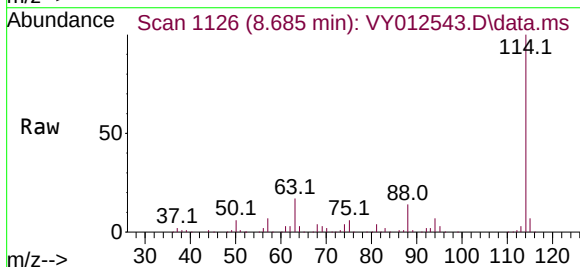
Tgt Ion: 114 Resp: 164465

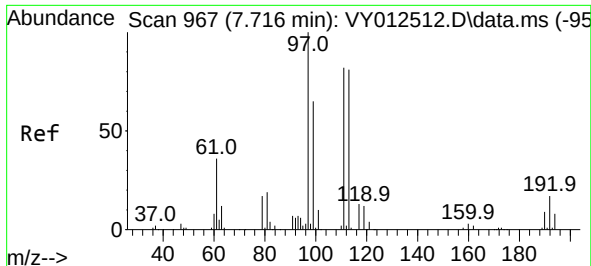
Ion Ratio Lower Upper

114 100

63 17.4 0.0 33.6

88 14.3 0.0 29.8

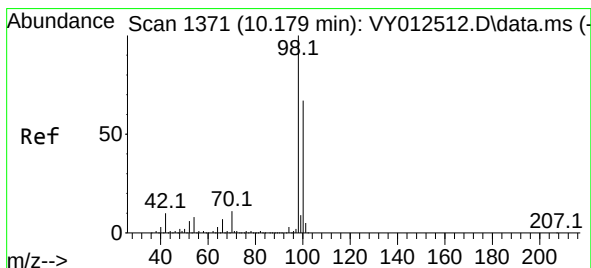
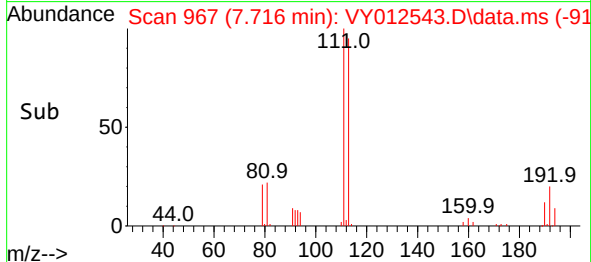
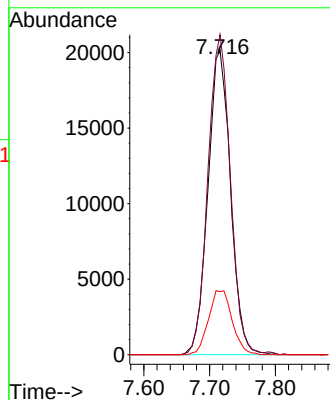
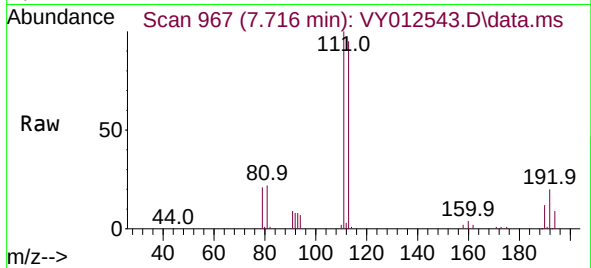




#35
Dibromofluoromethane
Concen: 40.350 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012543.D
Acq: 08 Feb 2023 15:25

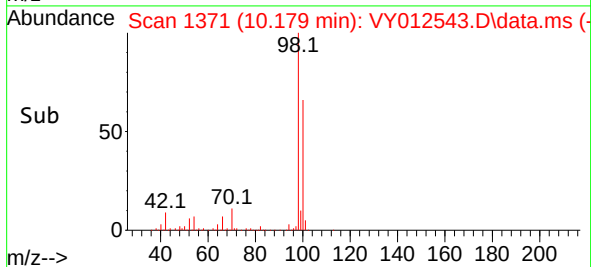
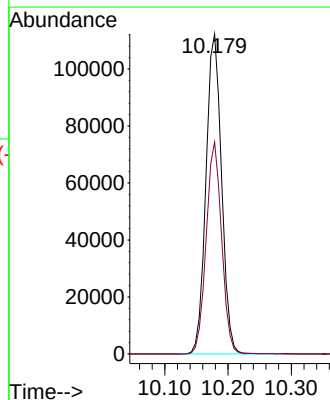
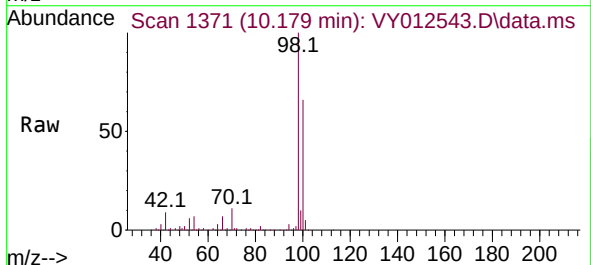
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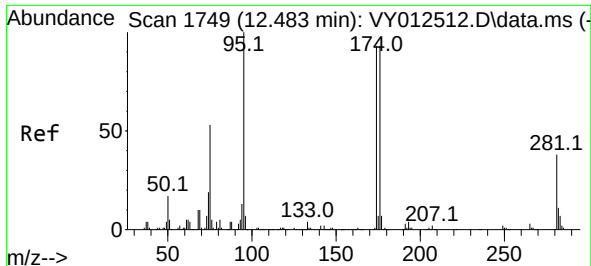
Tgt Ion:113 Resp: 48328
Ion Ratio Lower Upper
113 100
111 104.2 81.9 122.9
192 22.0 17.5 26.3



#50
Toluene-d8
Concen: 38.639 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012543.D
Acq: 08 Feb 2023 15:25

Tgt Ion: 98 Resp: 192629
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.2





#62

4-Bromofluorobenzene

Concen: 35.657 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY012543.D

Acq: 08 Feb 2023 15:25

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-8

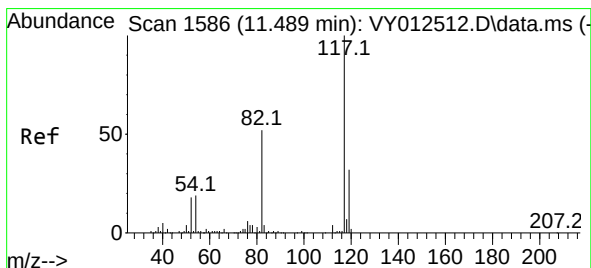
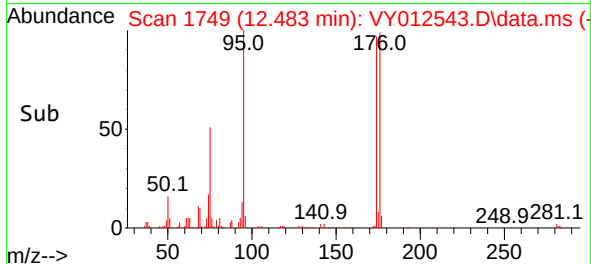
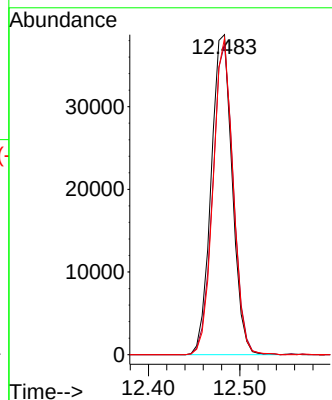
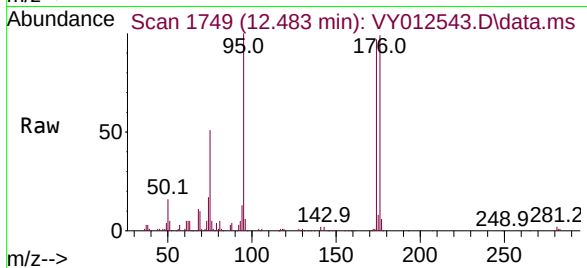
Tgt Ion: 95 Resp: 62004

Ion Ratio Lower Upper

95 100

174 94.8 0.0 188.0

176 93.5 0.0 183.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY012543.D

Acq: 08 Feb 2023 15:25

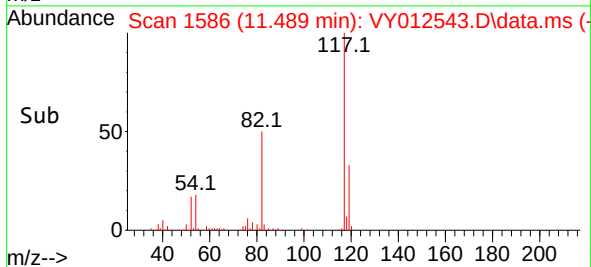
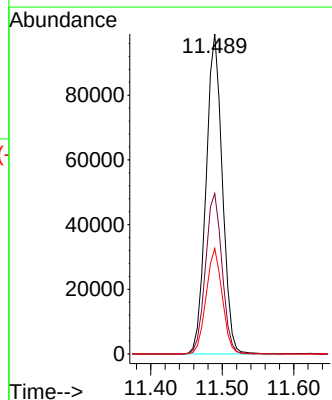
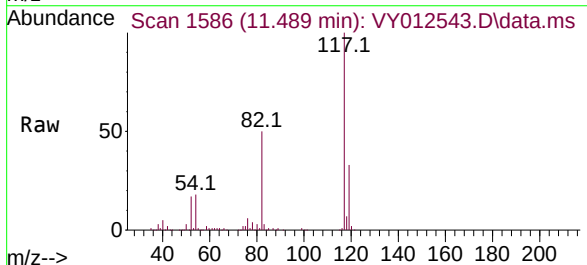
Tgt Ion: 117 Resp: 156254

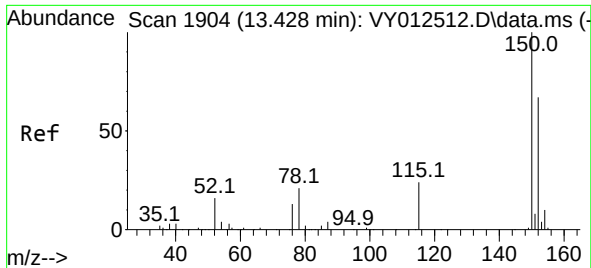
Ion Ratio Lower Upper

117 100

82 50.2 41.7 62.5

119 33.0 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: VY012543.D

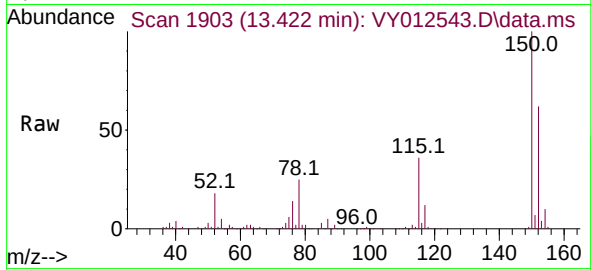
Acq: 08 Feb 2023 15:25

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-8



Tgt Ion:152 Resp: 71952

Ion Ratio Lower Upper

152 100

115 55.4 28.1 84.3

150 158.1 0.0 351.0

