

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020823\
 Data File : VY012539.D
 Acq On : 08 Feb 2023 13:52
 Operator : KP/MD
 Sample : 01464-02
 Misc : 3.78g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-GRAB-56

Quant Time: Feb 09 07:14:01 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)

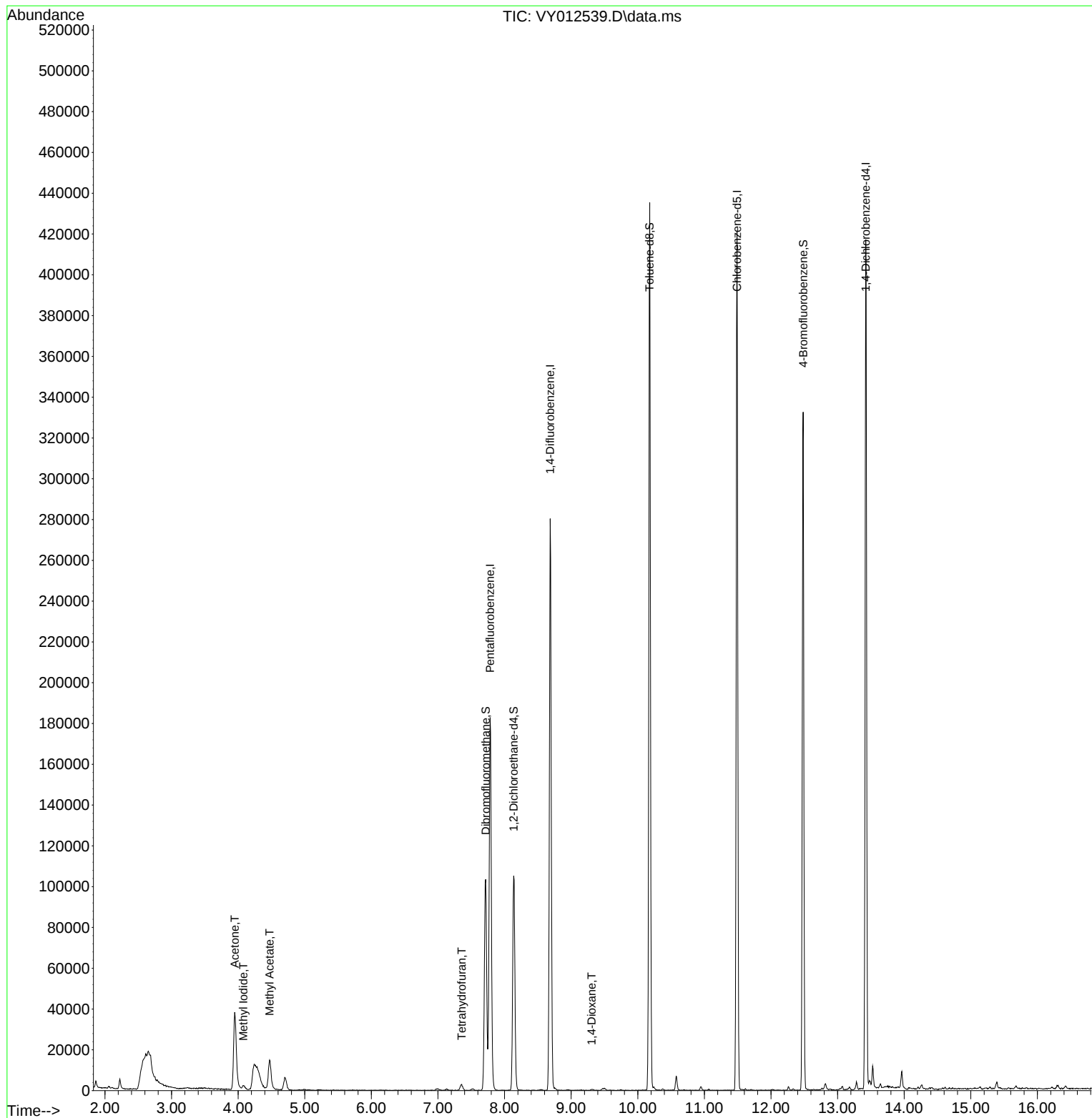
Internal Standards						
1) Pentafluorobenzene	7.783	168	147146	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	246269	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	240089	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	115688	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	89711	47.945	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.880%
35) Dibromofluoromethane	7.716	113	73416	40.935	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.880%
50) Toluene-d8	10.179	98	287287	38.485	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	76.960%
62) 4-Bromofluorobenzene	12.483	95	101088	38.823	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	77.640%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.076	142	2907	1.513	ug/l	93
16) Acetone	3.948	43	68021	151.039	ug/l	99
18) Methyl Acetate	4.473	43	26178	24.184	ug/l	98
29) Tetrahydrofuran	7.356	42	2039	7.548	ug/l	94
49) 1,4-Dioxane	9.307	88	633	44.548	ug/l #	58

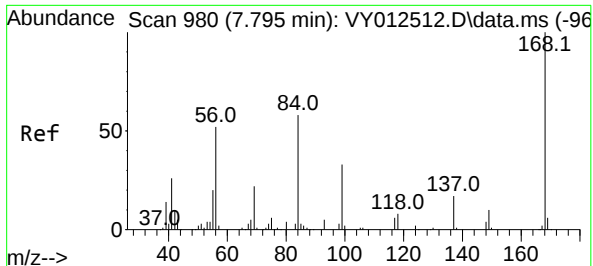
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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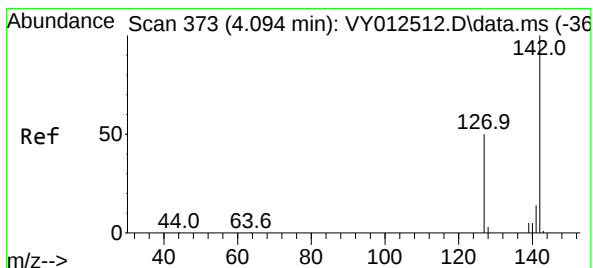
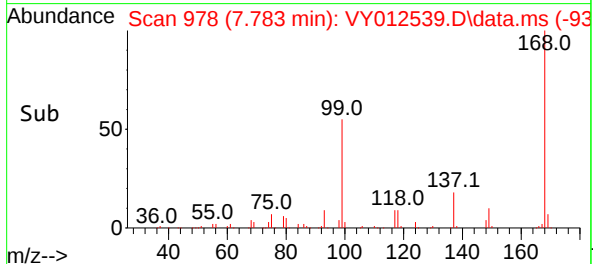
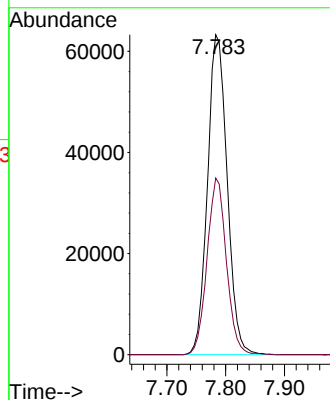
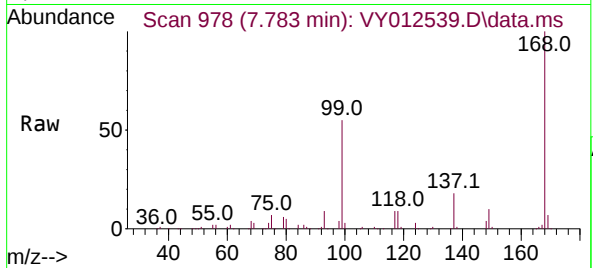




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY012539.D
Acq: 08 Feb 2023 13:52

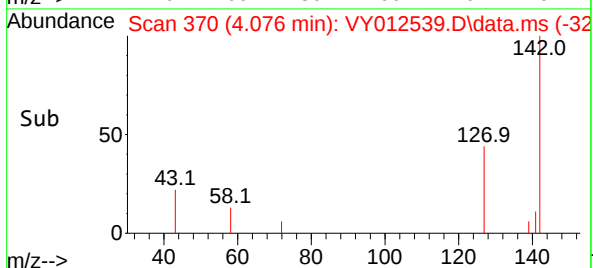
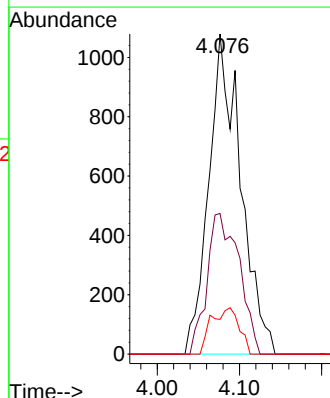
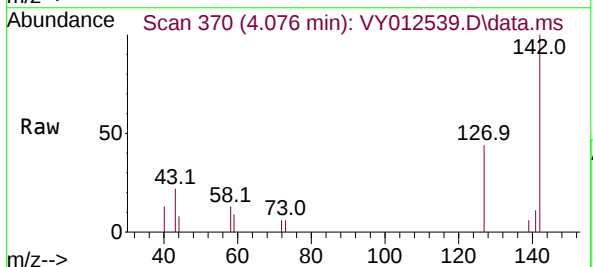
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-56

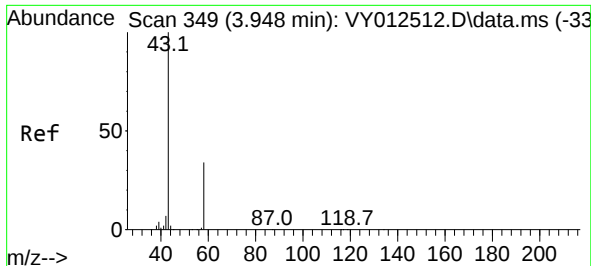
Tgt Ion:168 Resp: 147146
Ion Ratio Lower Upper
168 100
99 55.2 40.8 61.2



#10
Methyl Iodide
Concen: 1.513 ug/l
RT: 4.076 min Scan# 370
Delta R.T. -0.018 min
Lab File: VY012539.D
Acq: 08 Feb 2023 13:52

Tgt Ion:142 Resp: 2907
Ion Ratio Lower Upper
142 100
127 44.2 39.8 59.6
141 12.6 11.6 17.4

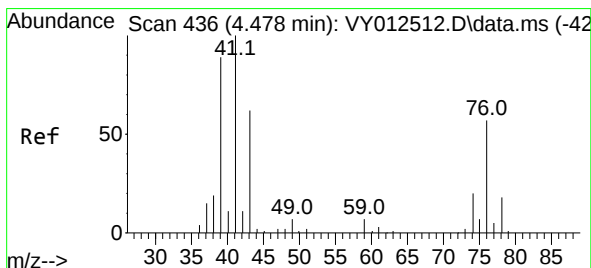
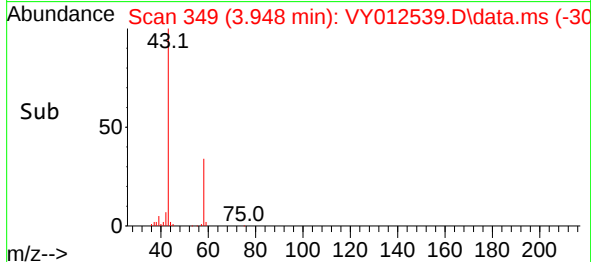
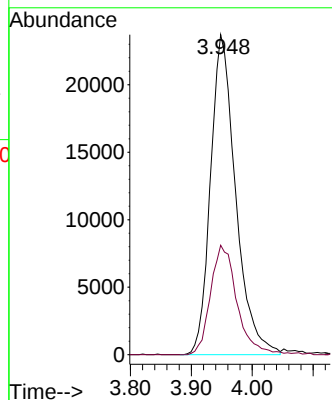
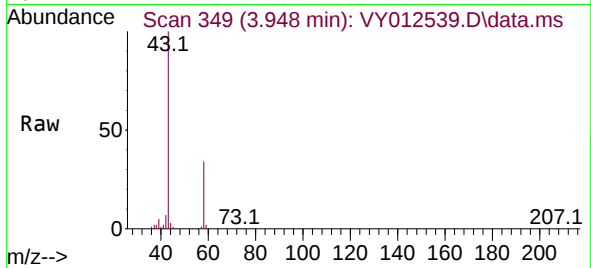




#16
Acetone
Concen: 151.039 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY012539.D
Acq: 08 Feb 2023 13:52

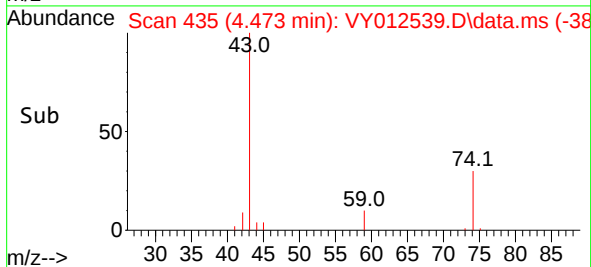
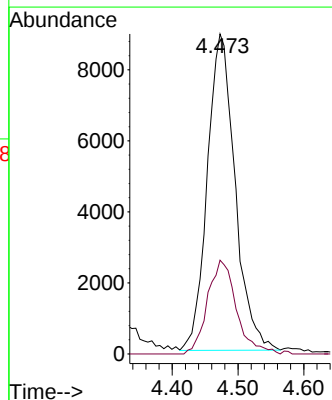
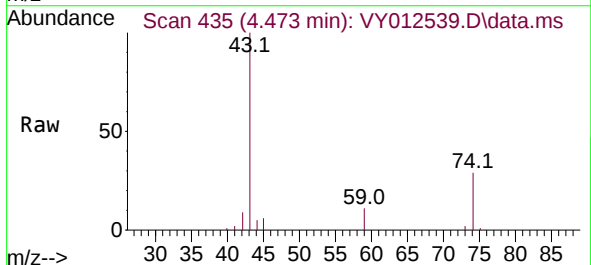
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-56

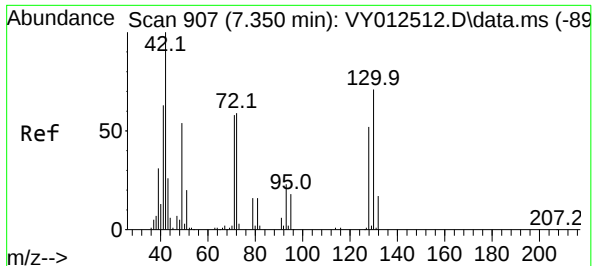
Tgt Ion: 43 Resp: 68021
Ion Ratio Lower Upper
43 100
58 34.2 27.1 40.7



#18
Methyl Acetate
Concen: 24.184 ug/l
RT: 4.473 min Scan# 435
Delta R.T. -0.006 min
Lab File: VY012539.D
Acq: 08 Feb 2023 13:52

Tgt Ion: 43 Resp: 26178
Ion Ratio Lower Upper
43 100
74 30.7 25.6 38.4

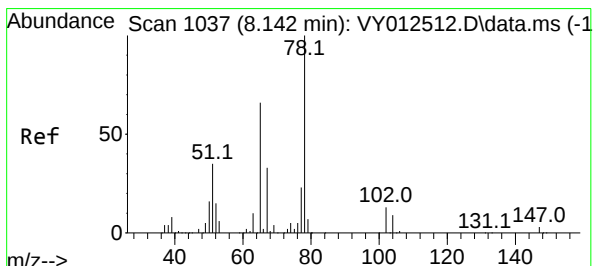
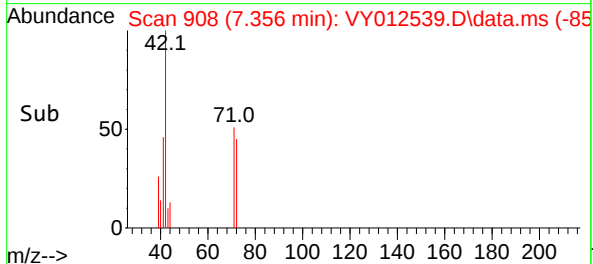
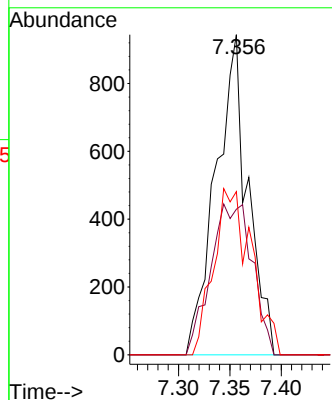
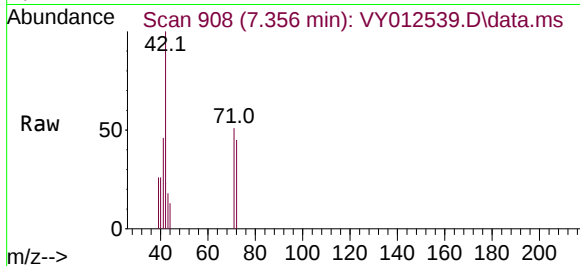




#29
Tetrahydrofuran
Concen: 7.548 ug/l
RT: 7.356 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY012539.D
Acq: 08 Feb 2023 13:52

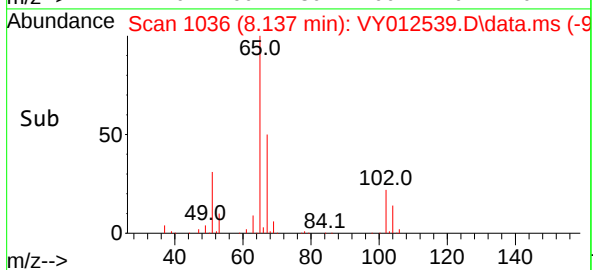
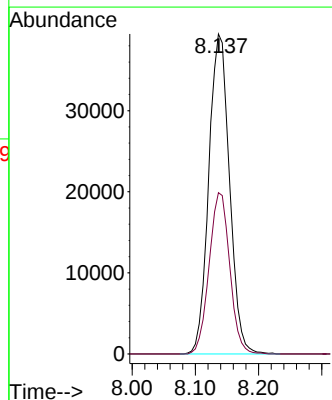
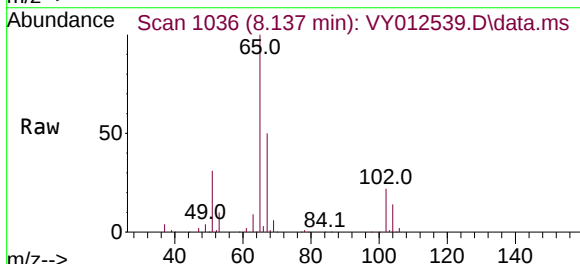
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-GRAB-56

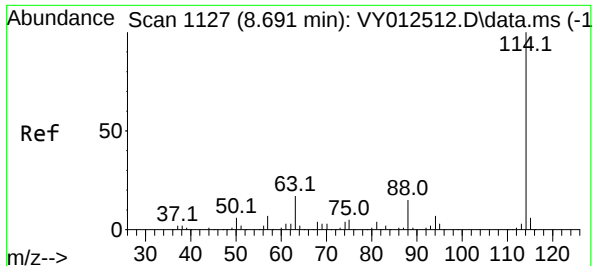
Tgt Ion:	42	Resp:	2039
Ion Ratio	Lower	Upper	
42	100		
72	61.5	47.0	70.6
71	61.5	44.6	66.8



#33
1,2-Dichloroethane-d4
Concen: 47.945 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY012539.D
Acq: 08 Feb 2023 13:52

Tgt Ion:	65	Resp:	89711
Ion Ratio	Lower	Upper	
65	100		
67	50.1	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: VY012539.D

Acq: 08 Feb 2023 13:52

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-56

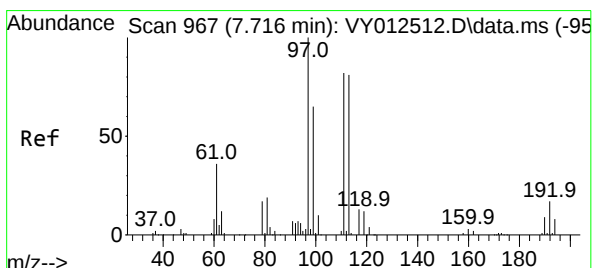
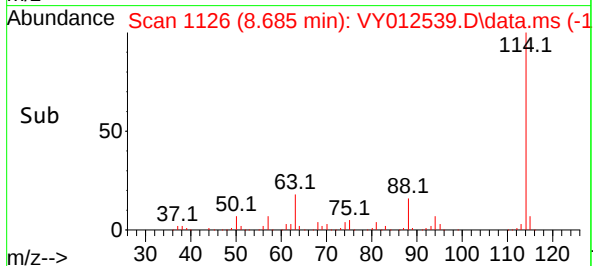
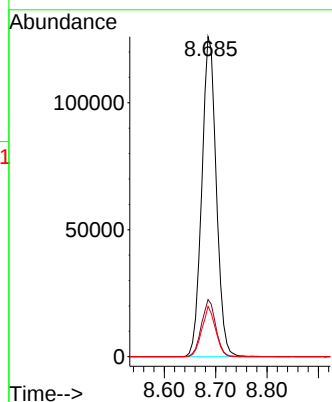
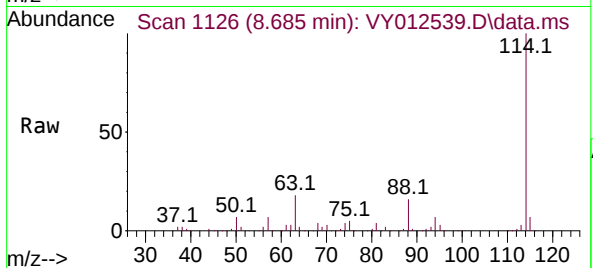
Tgt Ion:114 Resp: 246269

Ion Ratio Lower Upper

114 100

63 17.8 0.0 33.6

88 15.7 0.0 29.8



#35

Dibromofluoromethane

Concen: 40.935 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012539.D

Acq: 08 Feb 2023 13:52

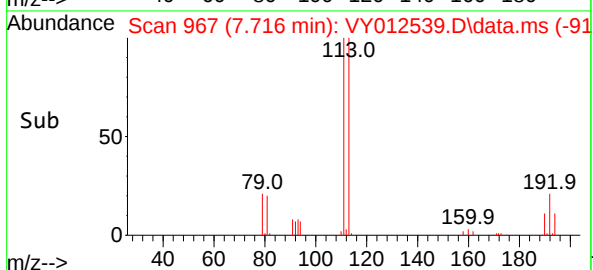
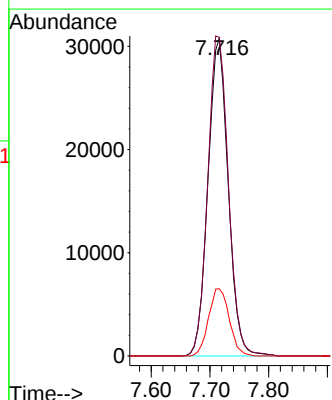
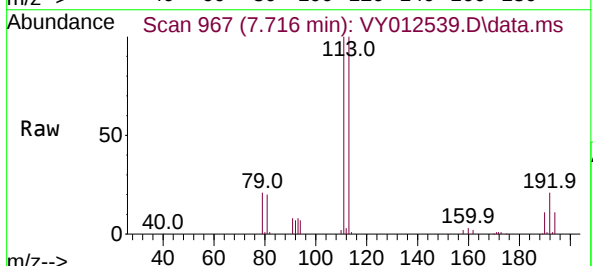
Tgt Ion:113 Resp: 73416

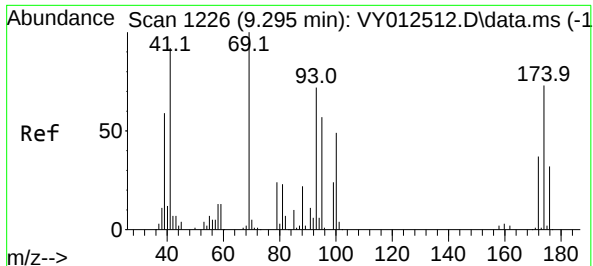
Ion Ratio Lower Upper

113 100

111 103.3 81.9 122.9

192 21.7 17.5 26.3





#49

1,4-Dioxane

Concen: 44.548 ug/l

RT: 9.307 min Scan# 1228

Delta R.T. 0.012 min

Lab File: VY012539.D

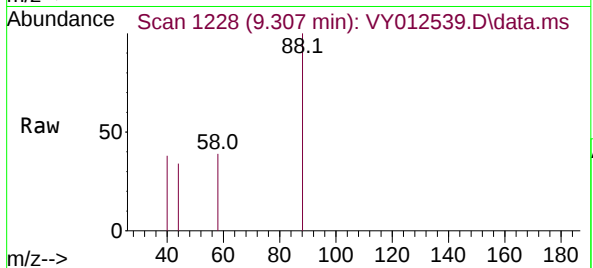
Acq: 08 Feb 2023 13:52

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-56



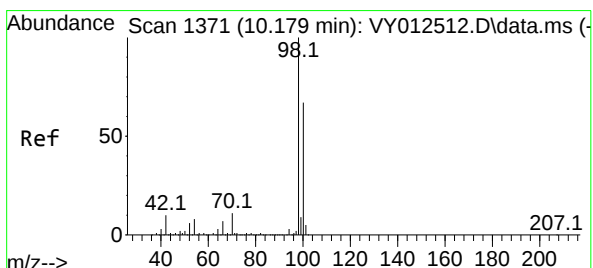
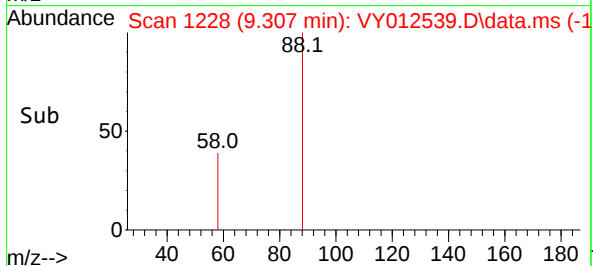
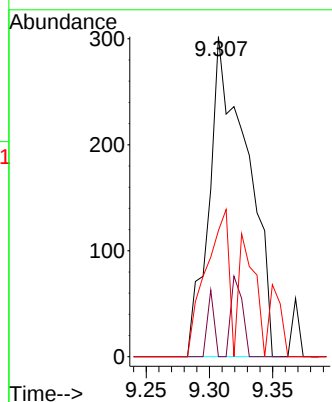
Tgt Ion: 88 Resp: 633

Ion Ratio Lower Upper

88 100

43 3.6 22.6 33.8#

58 27.8 45.4 68.0#



#50

Toluene-d8

Concen: 38.485 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY012539.D

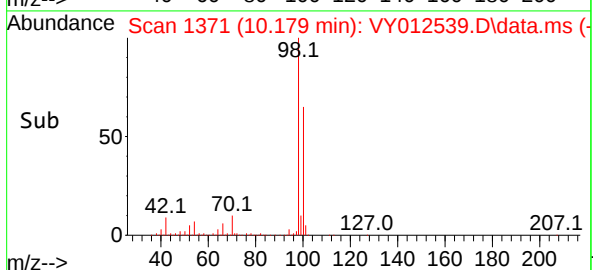
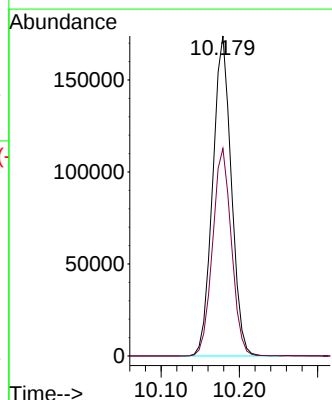
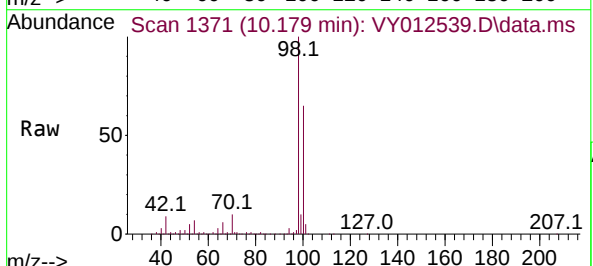
Acq: 08 Feb 2023 13:52

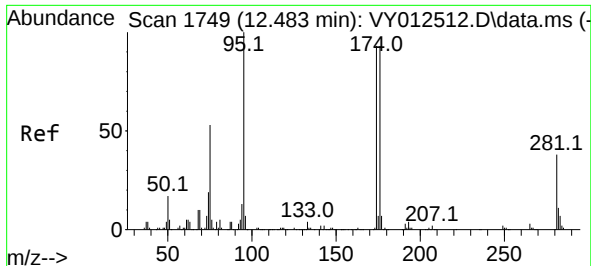
Tgt Ion: 98 Resp: 287287

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.2

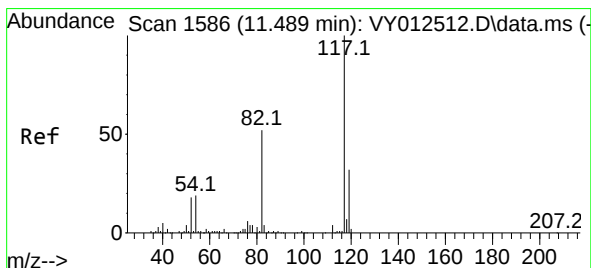
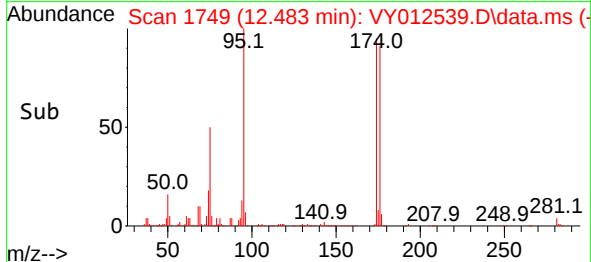
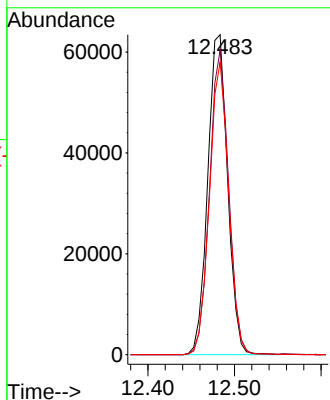
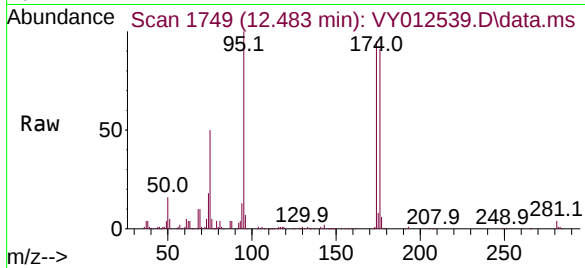




#62
4-Bromofluorobenzene
Concen: 38.823 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012539.D
Acq: 08 Feb 2023 13:52

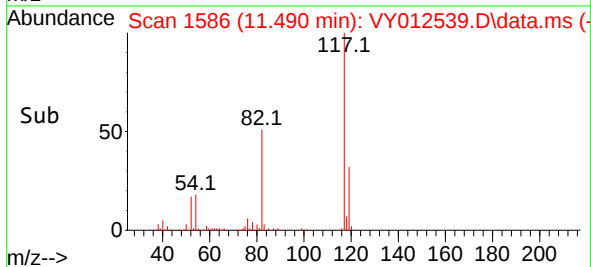
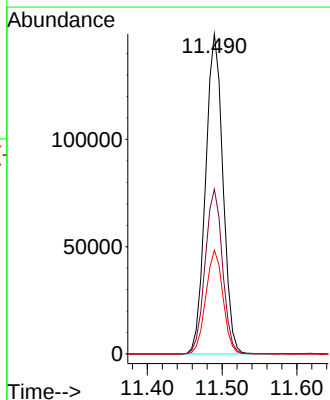
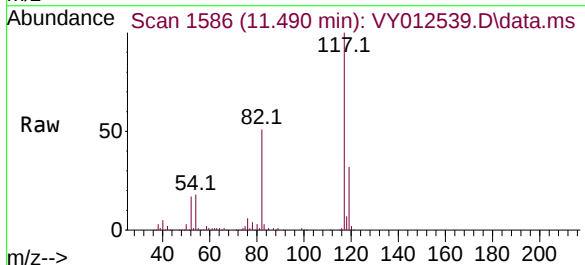
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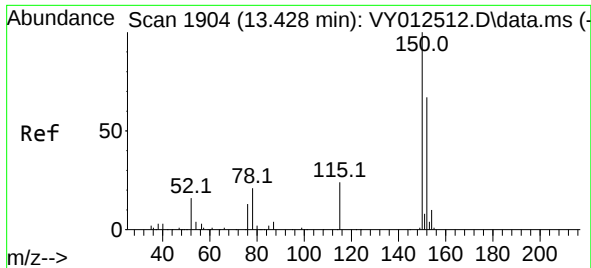
Tgt Ion: 95 Resp: 101088
Ion Ratio Lower Upper
95 100
174 91.6 0.0 188.0
176 88.6 0.0 183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012539.D
Acq: 08 Feb 2023 13:52

Tgt Ion: 117 Resp: 240089
Ion Ratio Lower Upper
117 100
82 51.5 41.7 62.5
119 32.5 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: VY012539.D

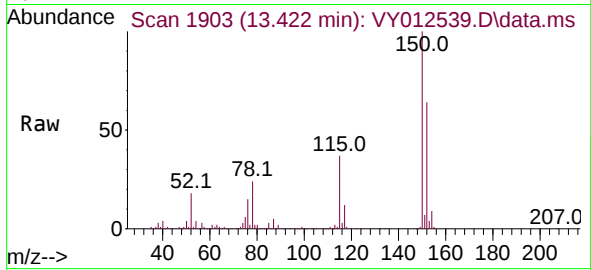
Acq: 08 Feb 2023 13:52

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-GRAB-56



Tgt Ion:152 Resp: 115688

Ion Ratio Lower Upper

152 100

115 56.3 28.1 84.3

150 156.4 0.0 351.0

