

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011323\
 Data File : VY012188.D
 Acq On : 13 Jan 2023 13:27
 Operator : KP/MD
 Sample : 01132-06RE
 Misc : 2.50g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOT-VOC-1RE

Quant Time: Jan 16 08:18:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

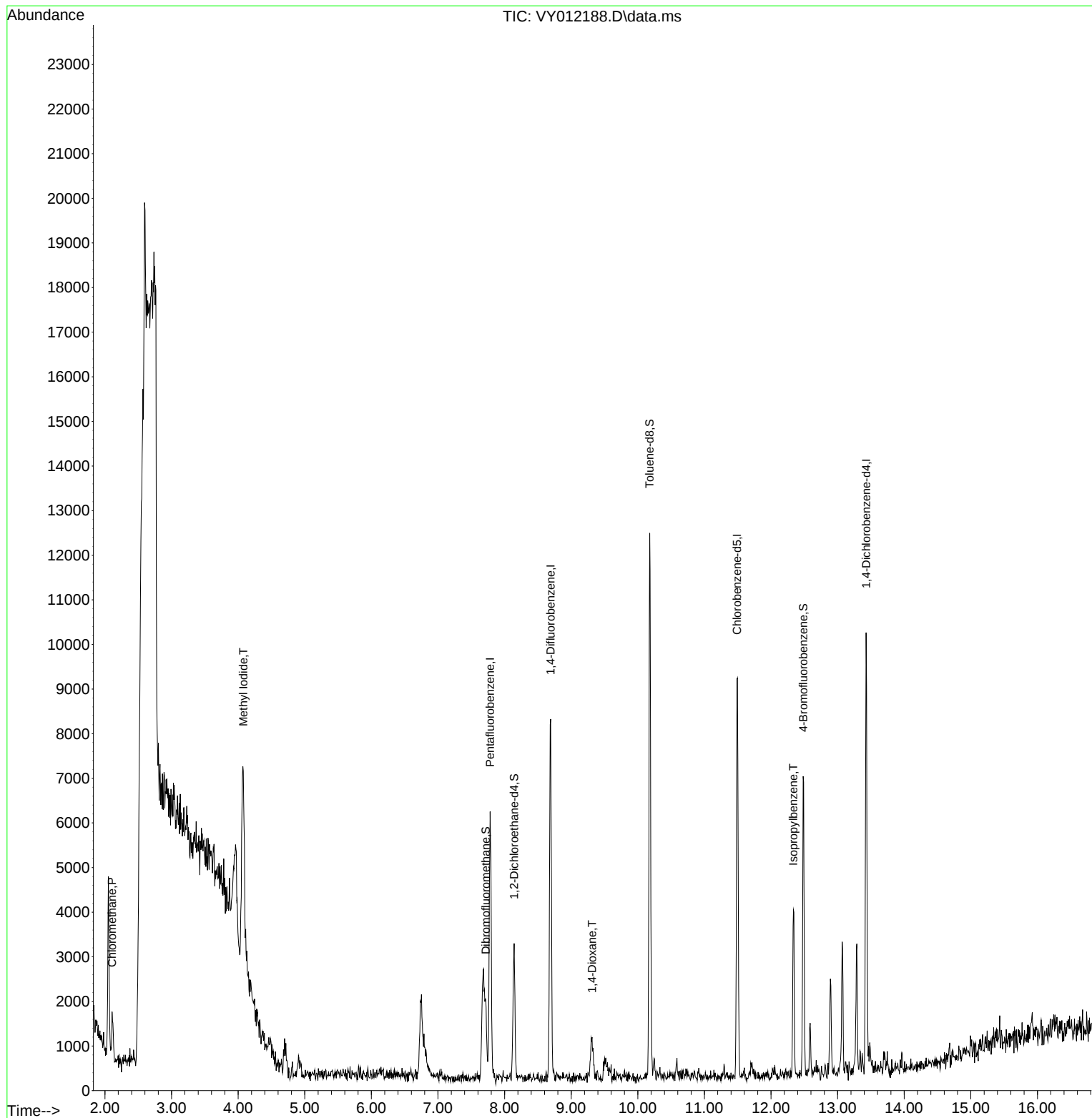
Internal Standards						
1) Pentafluorobenzene	7.783	168	5064	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	7888	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	5978	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2790	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	2424	42.599	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.200%
35) Dibromofluoromethane	7.716	113	1177	22.702	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	45.400%#
50) Toluene-d8	10.179	98	8862	43.305	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	86.620%
62) 4-Bromofluorobenzene	12.483	95	2225	31.106	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	62.220%
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	987	25.232	ug/l	90
10) Methyl Iodide	4.076	142	7420	108.420	ug/l	96
49) 1,4-Dioxane	9.313	88	1193	2679.662	ug/l #	75
73) Isopropylbenzene	12.337	105	341	1.545	ug/l #	49

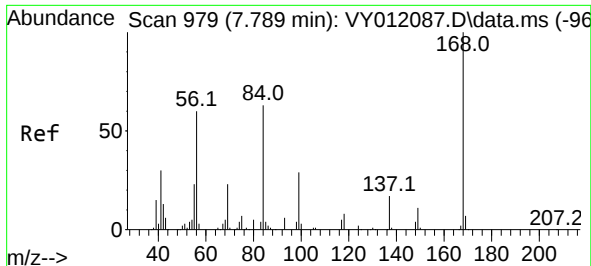
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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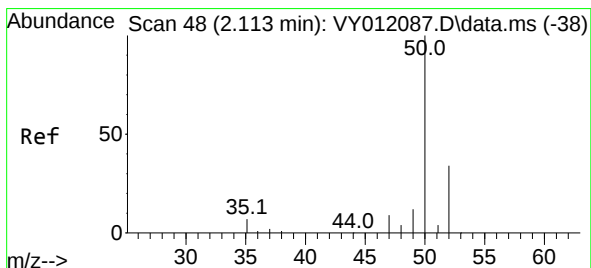
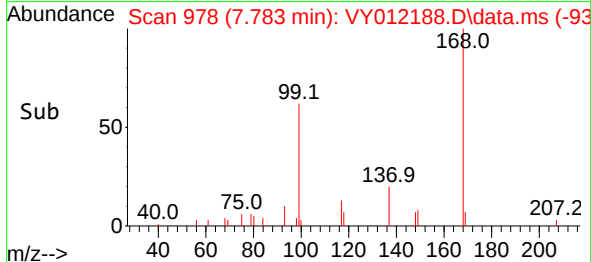
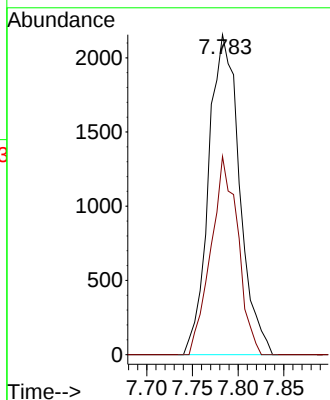
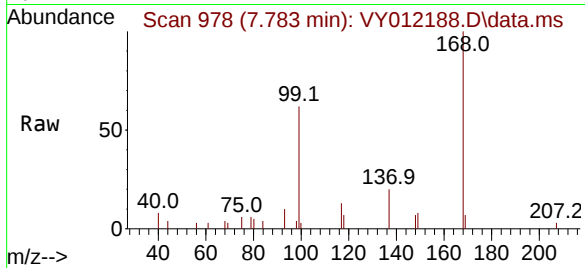




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012188.D
Acq: 13 Jan 2023 13:27

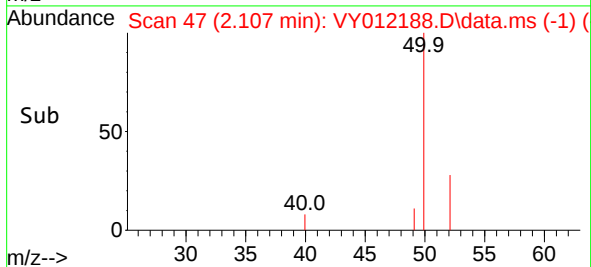
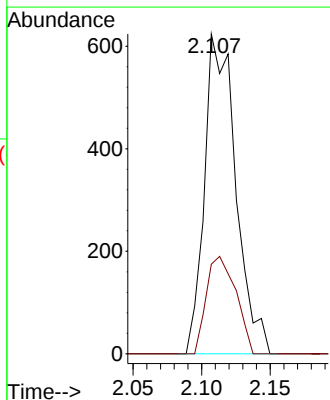
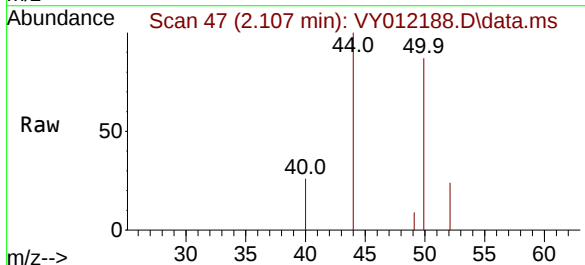
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-1RE

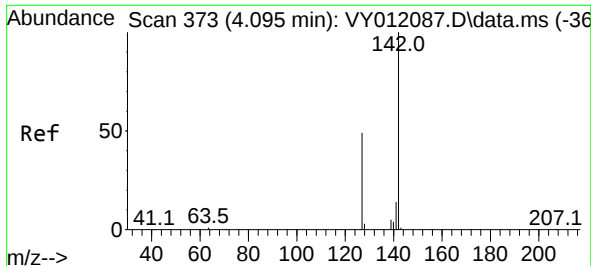
Tgt Ion:168 Resp: 5064
Ion Ratio Lower Upper
168 100
99 62.0 44.0 66.0



#3
Chloromethane
Concen: 25.232 ug/l
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY012188.D
Acq: 13 Jan 2023 13:27

Tgt Ion: 50 Resp: 987
Ion Ratio Lower Upper
50 100
52 28.0 26.8 40.2

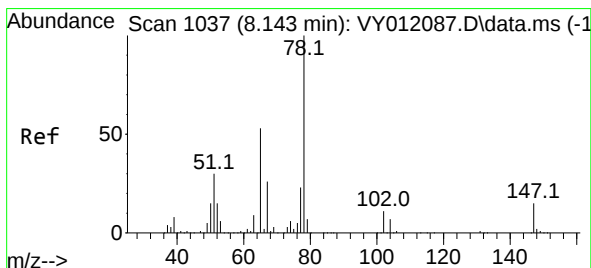
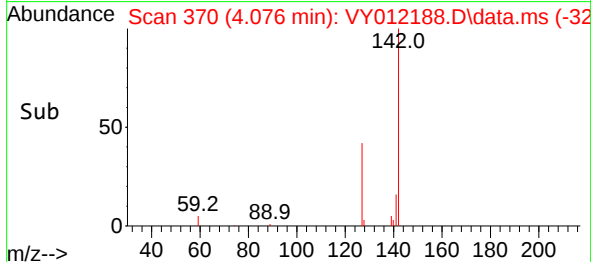
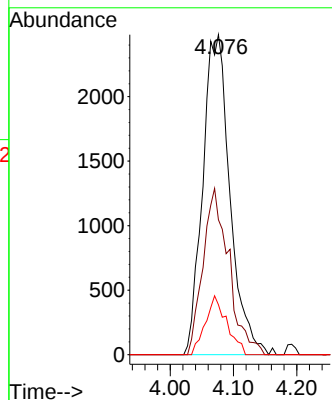
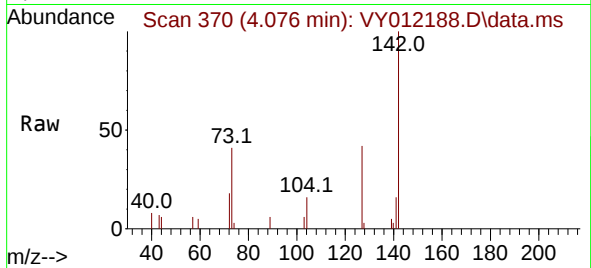




#10
Methyl Iodide
Concen: 108.420 ug/l
RT: 4.076 min Scan# 31
Delta R.T. -0.019 min
Lab File: VY012188.D
Acq: 13 Jan 2023 13:27

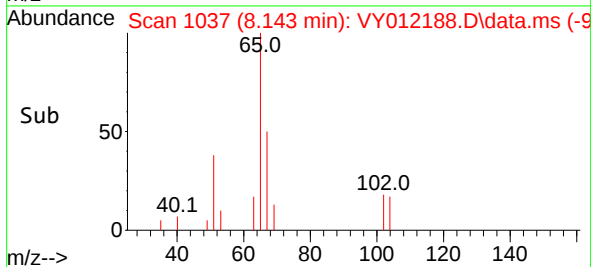
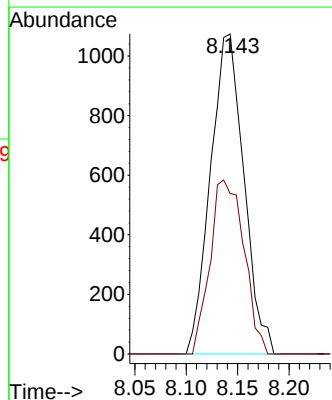
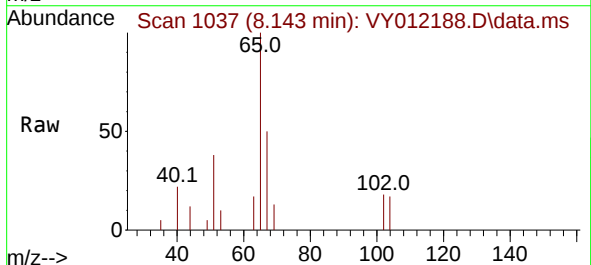
Instrument :
MSVOA_Y
ClientSampleId :
TOT-VOC-1RE

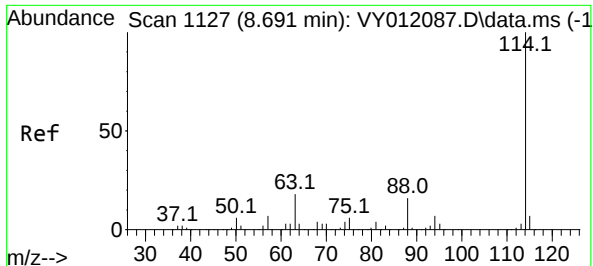
Tgt Ion:142 Resp: 7420
Ion Ratio Lower Upper
142 100
127 49.4 37.0 55.4
141 14.6 11.4 17.0



#33
1,2-Dichloroethane-d4
Concen: 42.599 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012188.D
Acq: 13 Jan 2023 13:27

Tgt Ion: 65 Resp: 2424
Ion Ratio Lower Upper
65 100
67 55.3 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012188.D

Acq: 13 Jan 2023 13:27

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-1RE

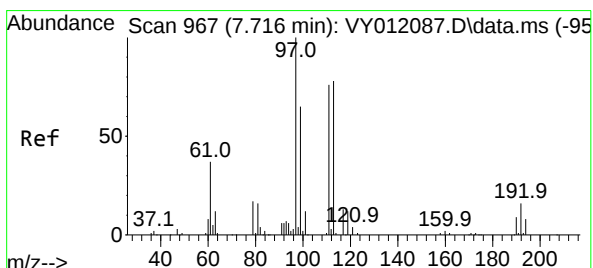
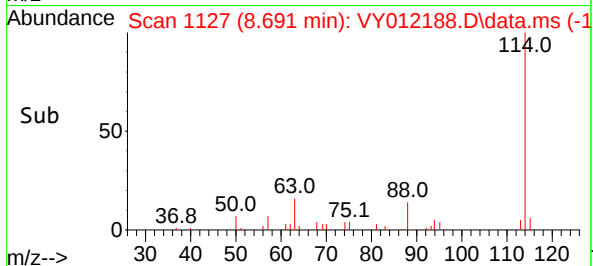
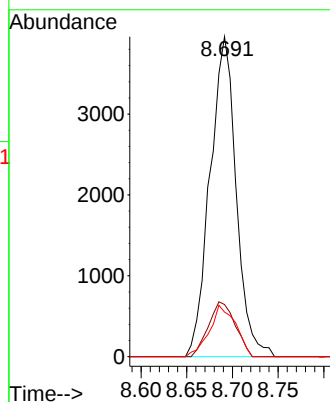
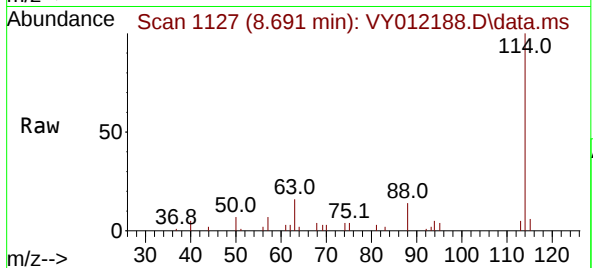
Tgt Ion:114 Resp: 7888

Ion Ratio Lower Upper

114 100

63 16.3 0.0 39.6

88 13.9 0.0 32.2



#35

Dibromofluoromethane

Concen: 22.702 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012188.D

Acq: 13 Jan 2023 13:27

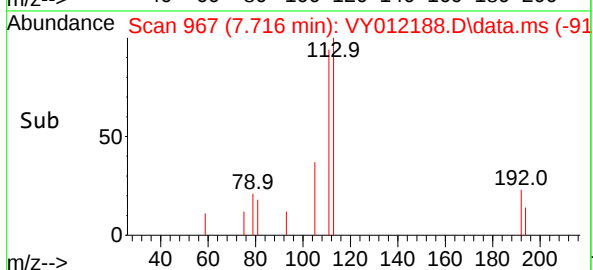
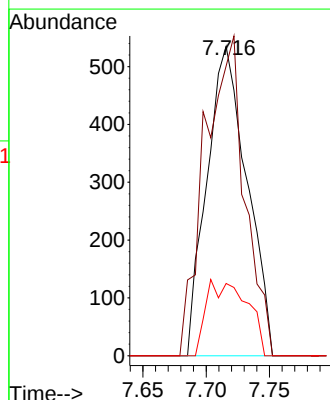
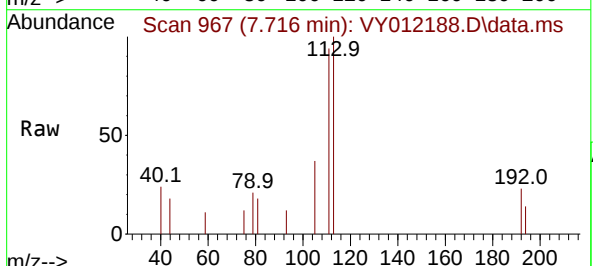
Tgt Ion:113 Resp: 1177

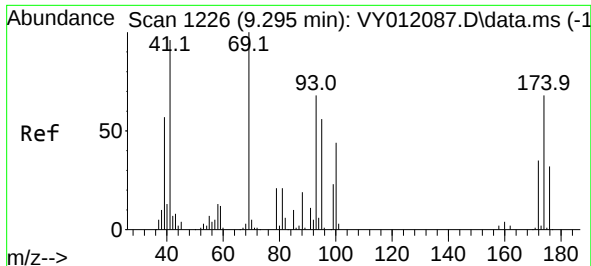
Ion Ratio Lower Upper

113 100

111 103.3 83.0 124.4

192 24.8 16.0 24.0#





#49

1,4-Dioxane

Concen: 2679.662 ug/l

RT: 9.313 min Scan# 1229

Delta R.T. 0.018 min

Lab File: VY012188.D

Acq: 13 Jan 2023 13:27

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-1RE

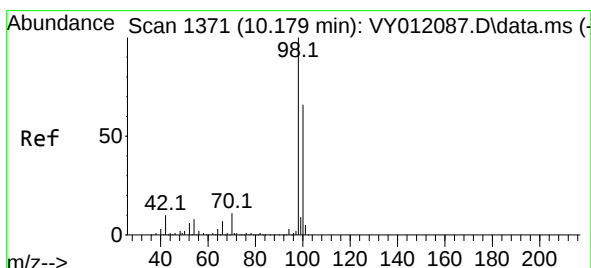
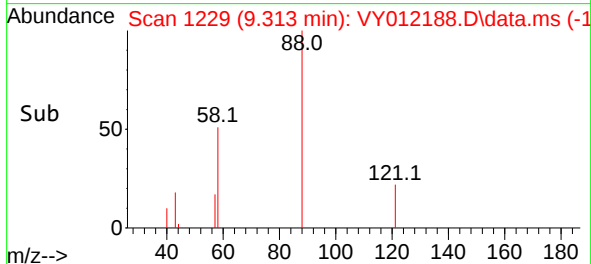
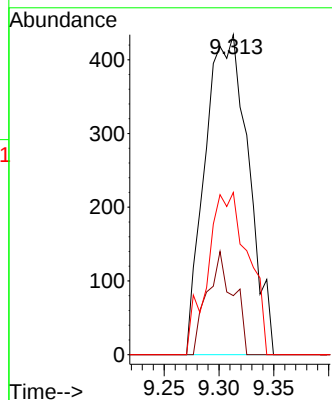
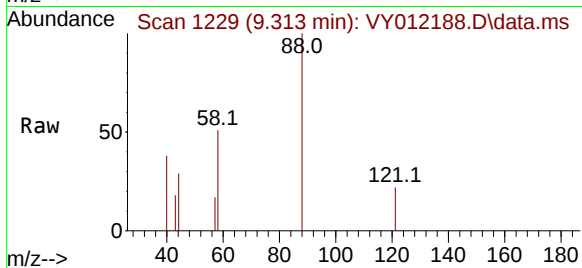
Tgt Ion: 88 Resp: 1193

Ion Ratio Lower Upper

88 100

43 19.4 26.2 39.2#

58 47.8 54.3 81.5#



#50

Toluene-d8

Concen: 43.305 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012188.D

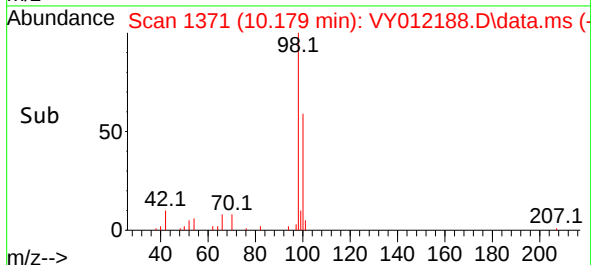
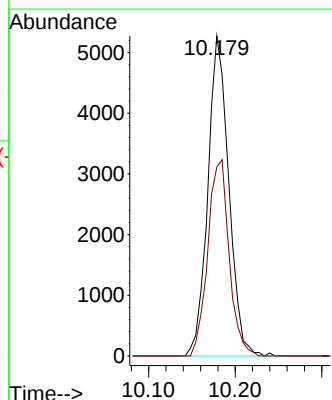
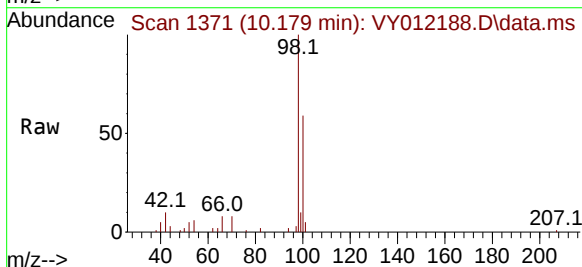
Acq: 13 Jan 2023 13:27

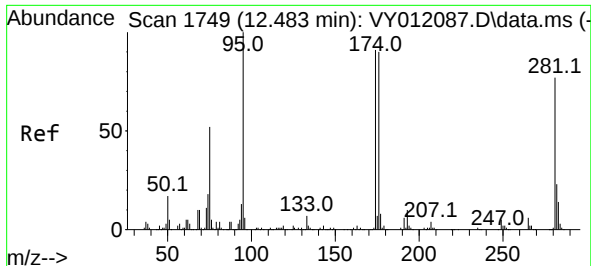
Tgt Ion: 98 Resp: 8862

Ion Ratio Lower Upper

98 100

100 62.4 51.9 77.9

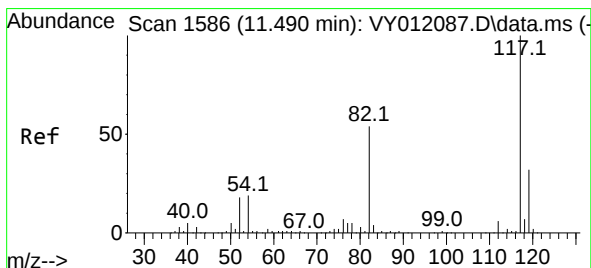
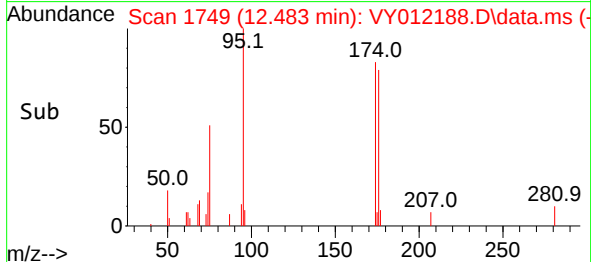
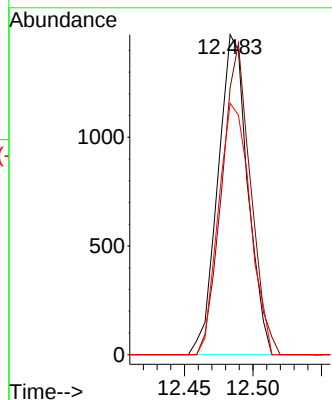
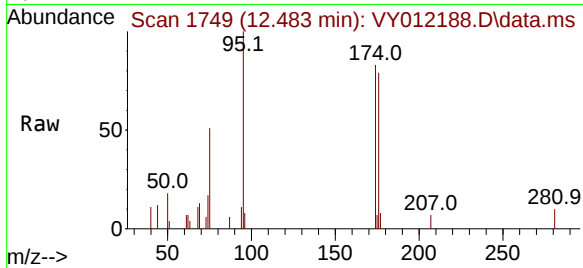




#62
4-Bromofluorobenzene
Concen: 31.106 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012188.D
Acq: 13 Jan 2023 13:27

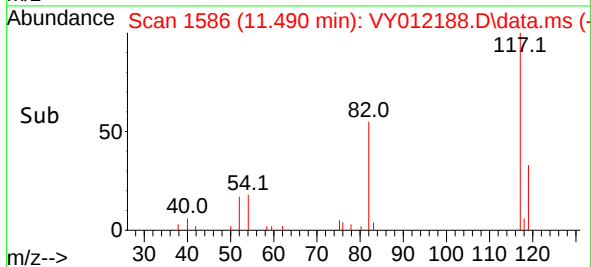
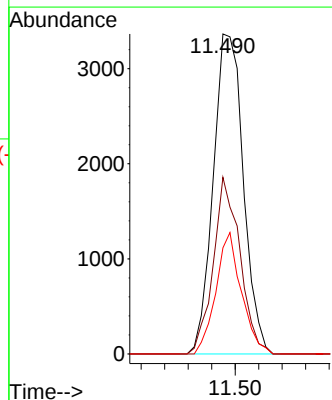
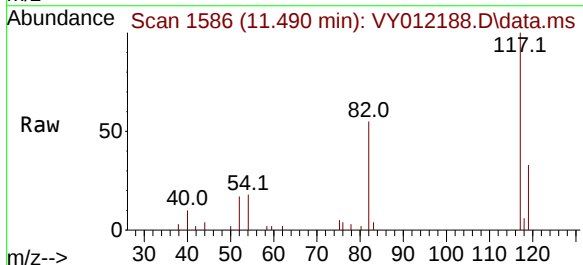
Instrument :
MSVOA_Y
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TOT-VOC-1RE

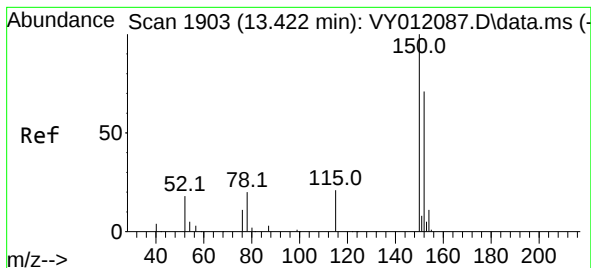
Tgt Ion: 95 Resp: 2225
Ion Ratio Lower Upper
95 100
174 93.8 0.0 172.0
176 83.5 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012188.D
Acq: 13 Jan 2023 13:27

Tgt Ion: 117 Resp: 5978
Ion Ratio Lower Upper
117 100
82 55.2 44.8 67.2
119 33.1 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY012188.D

Acq: 13 Jan 2023 13:27

Instrument :

MSVOA_Y

ClientSampleId :

TOT-VOC-1RE

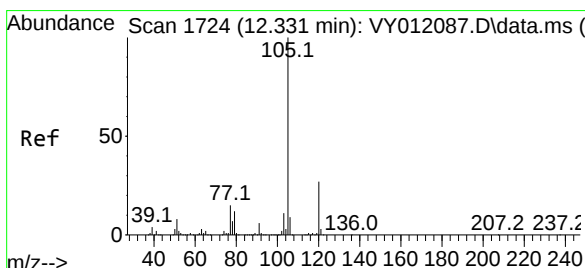
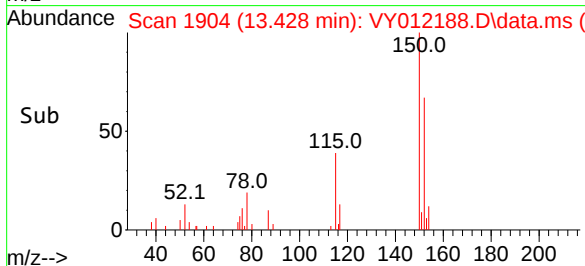
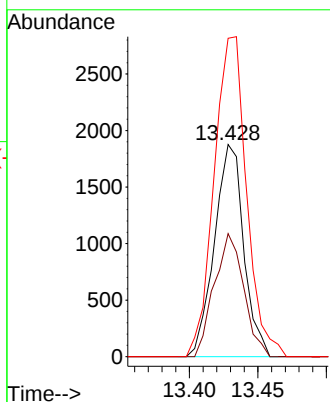
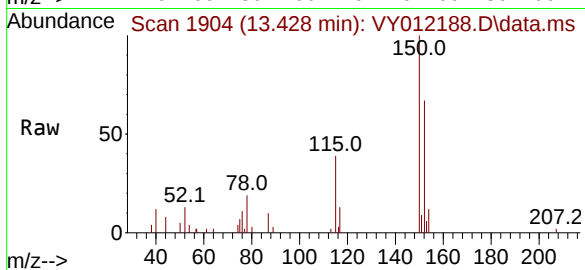
Tgt Ion:152 Resp: 2790

Ion Ratio Lower Upper

152 100

115 58.1 29.1 87.3

150 167.3 0.0 342.6



#73

Isopropylbenzene

Concen: 1.545 ug/l

RT: 12.337 min Scan# 1725

Delta R.T. 0.006 min

Lab File: VY012188.D

Acq: 13 Jan 2023 13:27

Tgt Ion:105 Resp: 341

Ion Ratio Lower Upper

105 100

120 0.0 13.2 39.6#

