

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012723\
 Data File : VY012383.D
 Acq On : 27 Jan 2023 15:06
 Operator : KP/MD
 Sample : 01328-15
 Misc : 7.97g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-BORING-1-14-23-GRAB-8

Quant Time: Jan 30 02:42:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

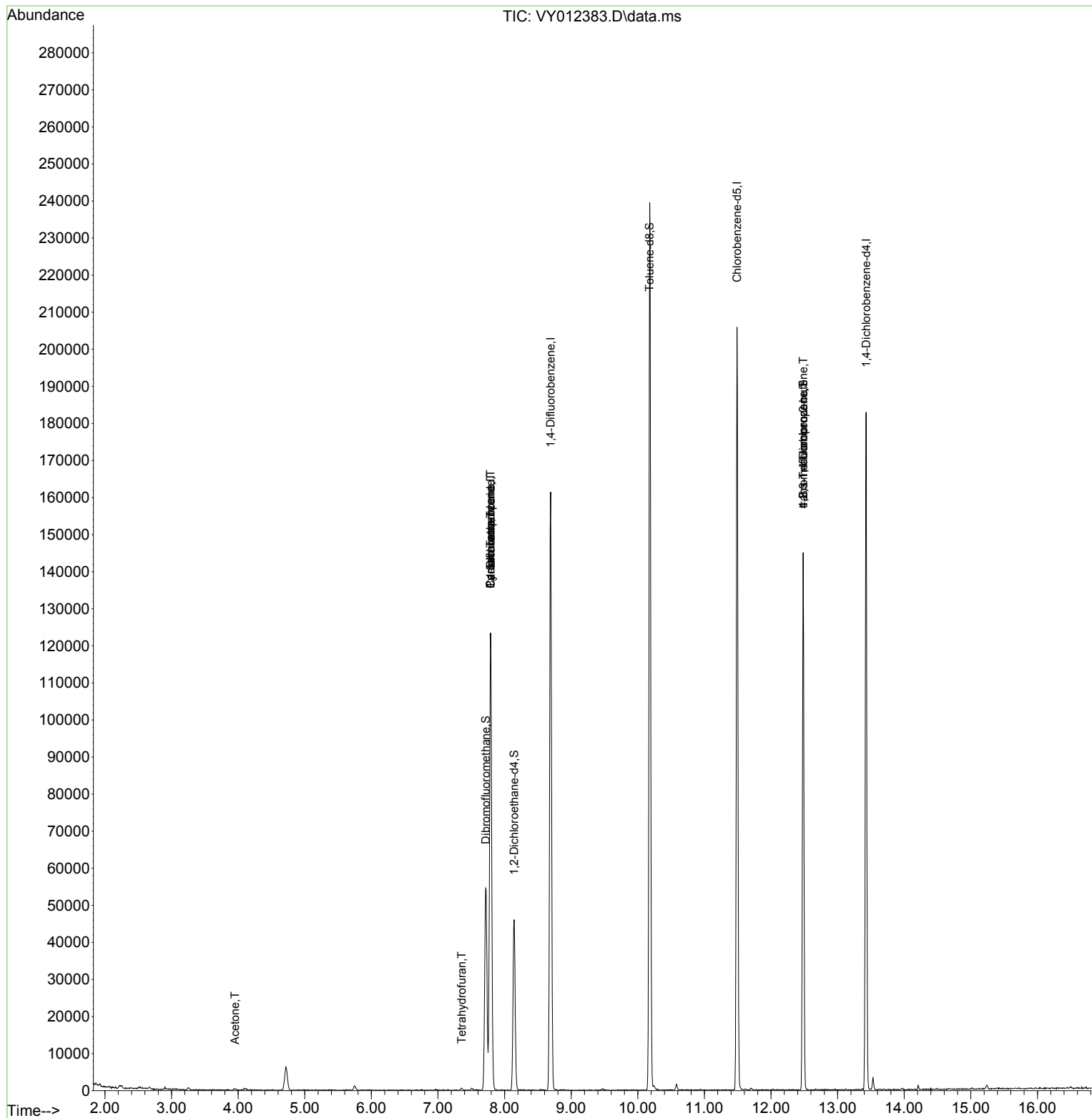
Internal Standards						
1) Pentafluorobenzene	7.789	168	97052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	144320	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	117755	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	48930	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	40031	49.742	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.480%
35) Dibromofluoromethane	7.715	113	38114	49.876	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.760%
50) Toluene-d8	10.178	98	165092	63.524	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	127.040%
62) 4-Bromofluorobenzene	12.483	95	42158	39.135	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	78.260%
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	636	2.353	ug/l #	79
20) Methylene Chloride	4.722	84	5137	Below Cal	#	80
29) Tetrahydrofuran	7.356	42	394	2.404	ug/l	96
31) Cyclohexane	7.789	56	1674	1.183	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	6437	4.956	ug/l #	51
38) Carbon Tetrachloride	7.789	117	9952	5.933	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	22752	50.568	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	22752	104.192	ug/l #	13

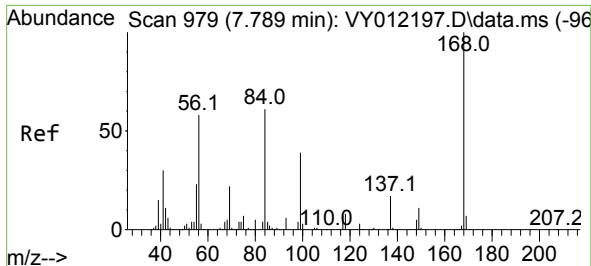
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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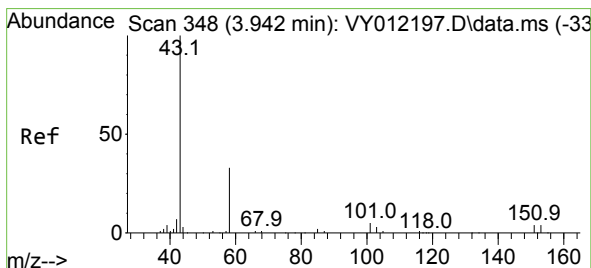
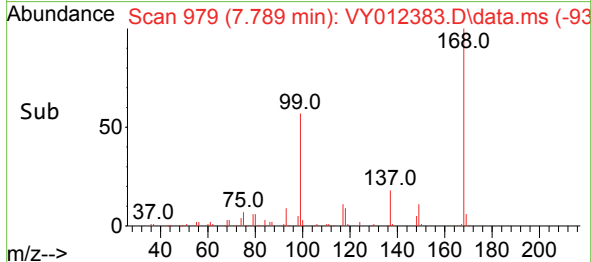
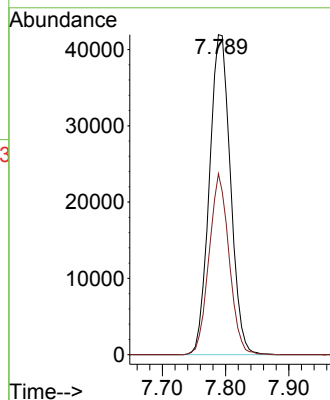
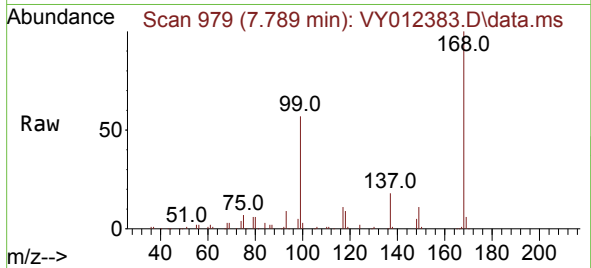




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012383.D
Acq: 27 Jan 2023 15:06

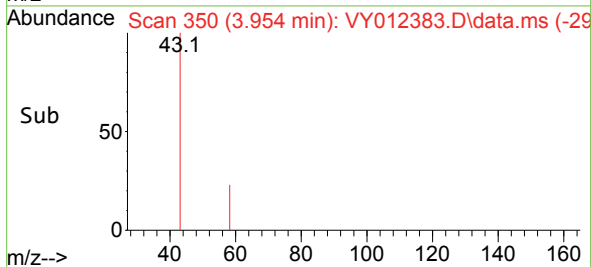
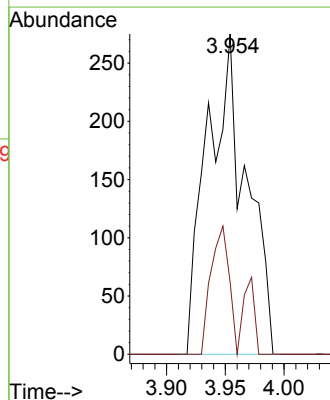
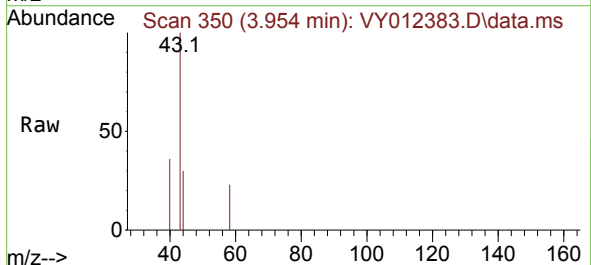
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-BORING-1-14-23-GRAB-8

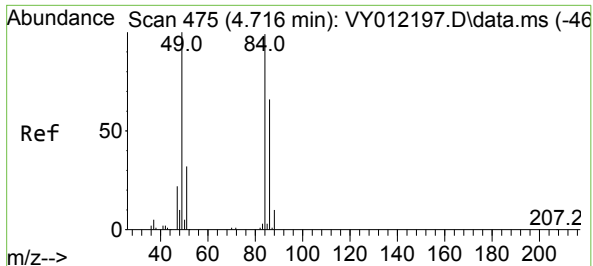
Tgt Ion:168 Resp: 97052
Ion Ratio Lower Upper
168 100
99 56.6 44.0 66.0



#16
Acetone
Concen: 2.353 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY012383.D
Acq: 27 Jan 2023 15:06

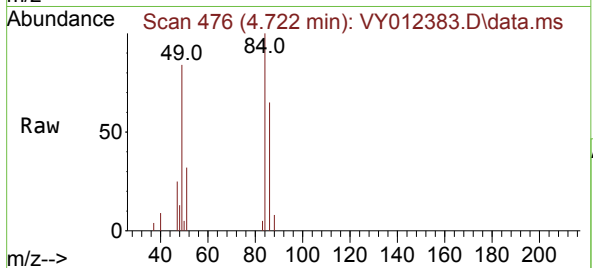
Tgt Ion: 43 Resp: 636
Ion Ratio Lower Upper
43 100
58 22.5 27.9 41.9#



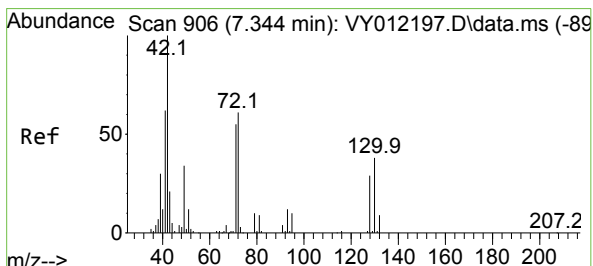
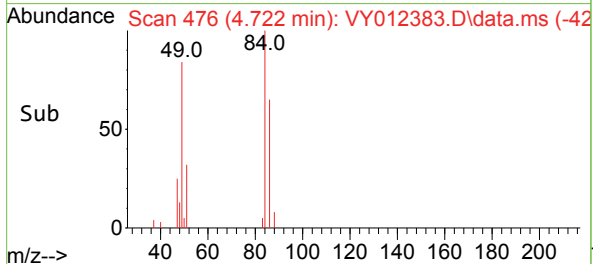
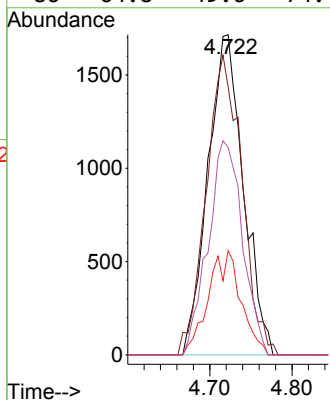


#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY012383.D
Acq: 27 Jan 2023 15:06

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-BORING-1-14-23-GRAB-8

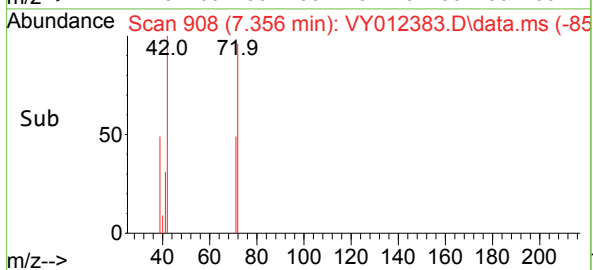
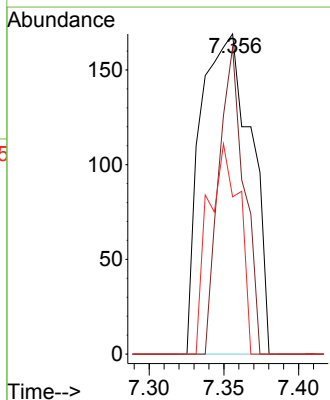
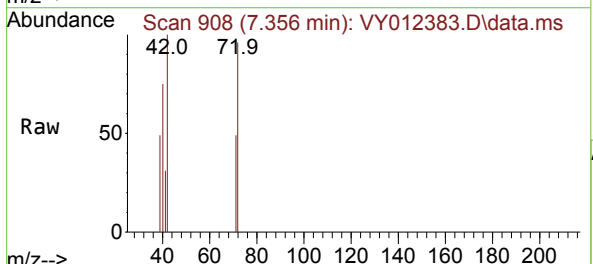


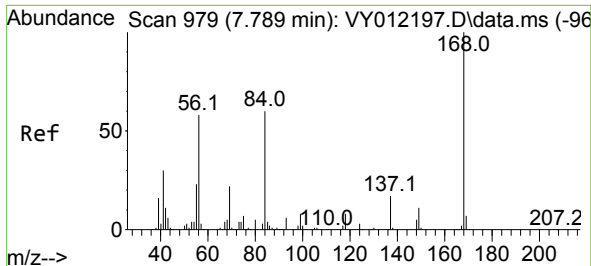
Tgt Ion: 84 Resp: 5137
Ion Ratio Lower Upper
84 100
49 83.7 95.4 143.2#
51 32.5 29.9 44.9
86 64.8 49.6 74.4



#29
Tetrahydrofuran
Concen: 2.404 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.012 min
Lab File: VY012383.D
Acq: 27 Jan 2023 15:06

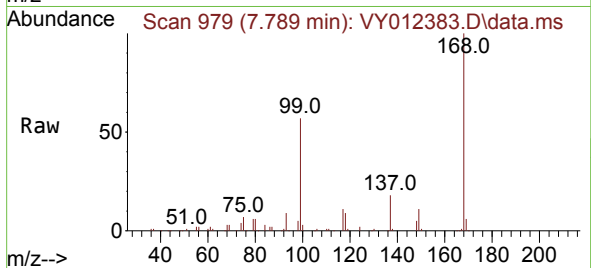
Tgt Ion: 42 Resp: 394
Ion Ratio Lower Upper
42 100
72 48.5 37.0 55.6
71 40.9 34.9 52.3



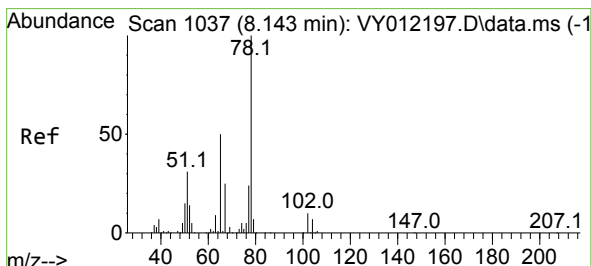
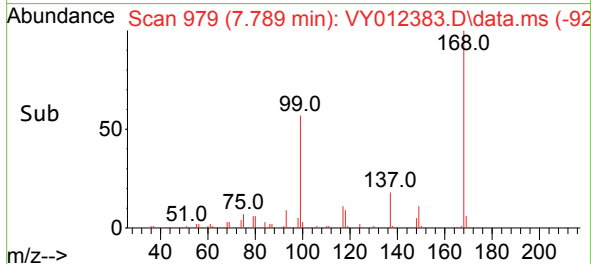
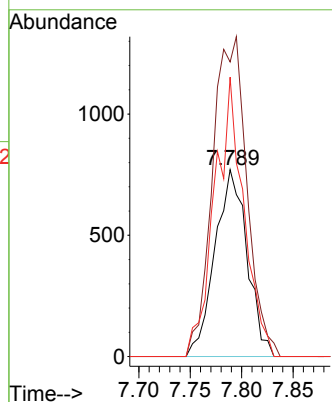


#31
Cyclohexane
Concen: 1.183 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012383.D
Acq: 27 Jan 2023 15:06

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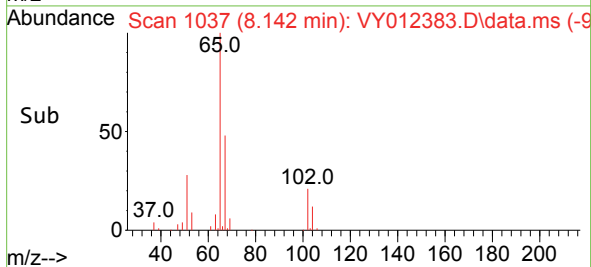
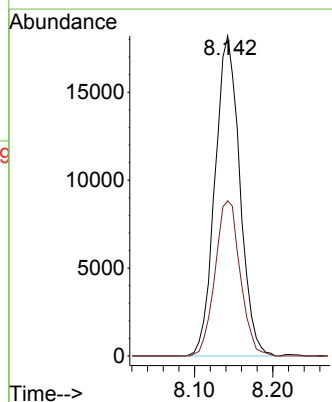
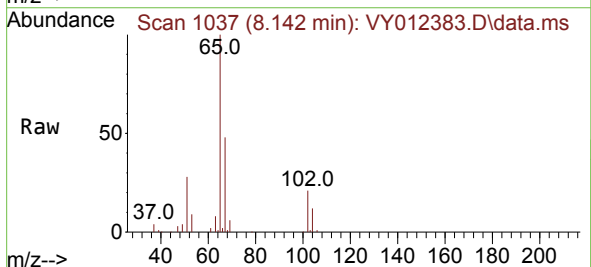


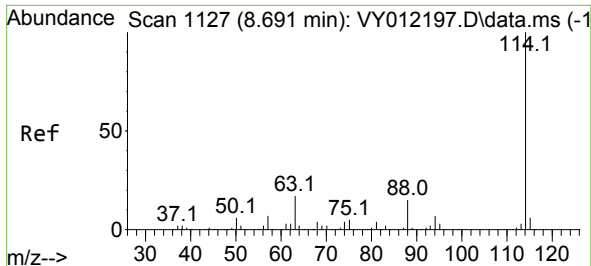
Tgt Ion: 56 Resp: 1674
Ion Ratio Lower Upper
56 100
69 157.6 29.2 43.8#
84 149.4 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 49.742 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012383.D
Acq: 27 Jan 2023 15:06

Tgt Ion: 65 Resp: 40031
Ion Ratio Lower Upper
65 100
67 49.2 0.0 103.2

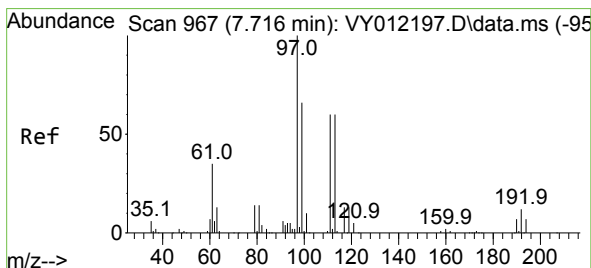
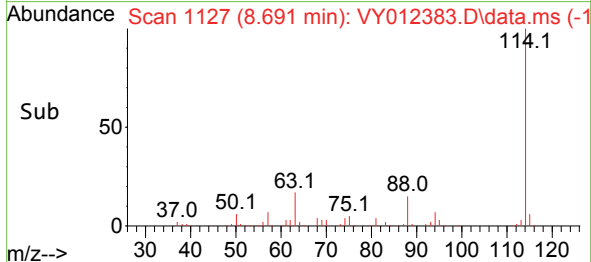
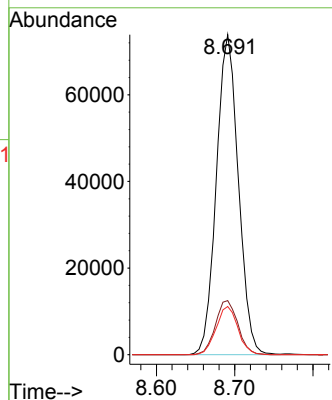
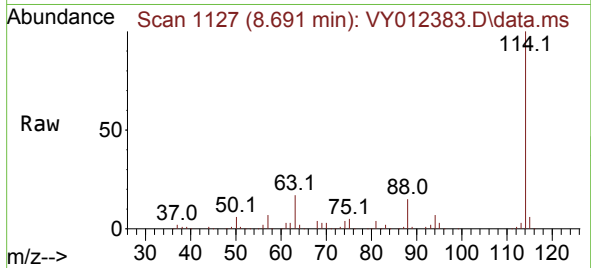




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY012383.D
Acq: 27 Jan 2023 15:06

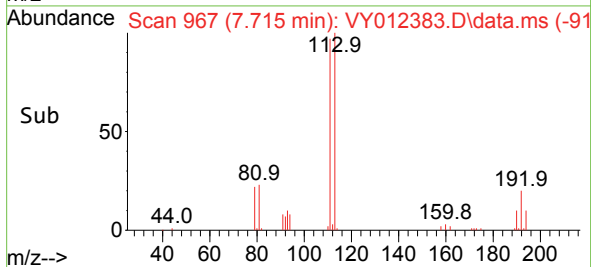
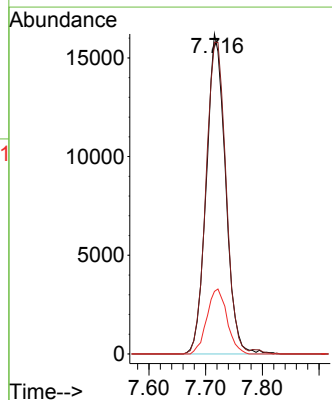
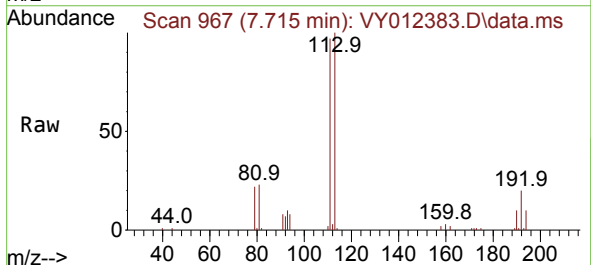
Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-BORING-1-14-23-GRAB-8

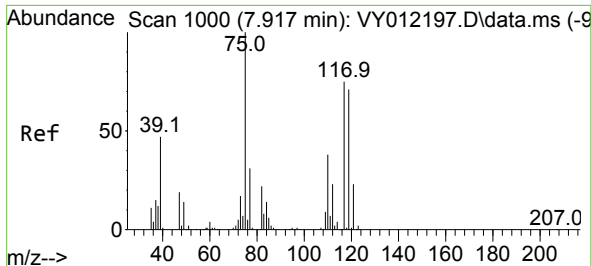
Tgt Ion:114 Resp: 144320
Ion Ratio Lower Upper
114 100
63 16.9 0.0 39.6
88 15.0 0.0 32.2



#35
Dibromofluoromethane
Concen: 49.876 ug/l
RT: 7.715 min Scan# 967
Delta R.T. -0.001 min
Lab File: VY012383.D
Acq: 27 Jan 2023 15:06

Tgt Ion:113 Resp: 38114
Ion Ratio Lower Upper
113 100
111 100.8 83.0 124.4
192 21.3 16.0 24.0





#36

1,1-Dichloropropene

Concen: 4.956 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012383.D

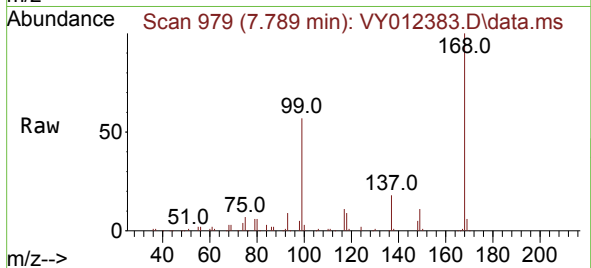
Acq: 27 Jan 2023 15:06

Instrument :

MSVOA_Y

ClientSampleId :

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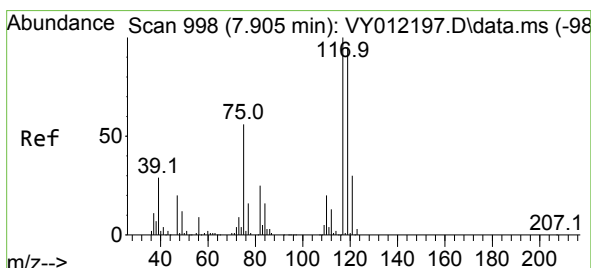
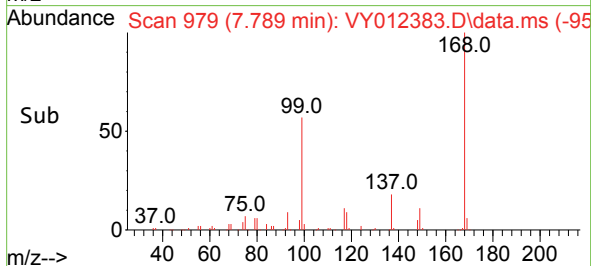
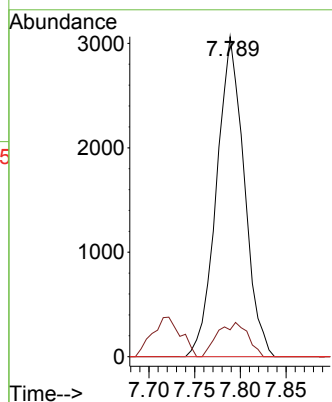
Tgt Ion: 75 Resp: 6437

Ion Ratio Lower Upper

75 100

110 11.7 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.933 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY012383.D

Acq: 27 Jan 2023 15:06

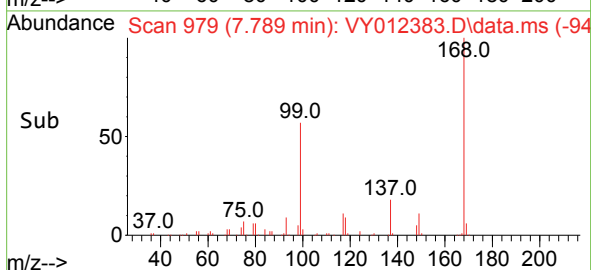
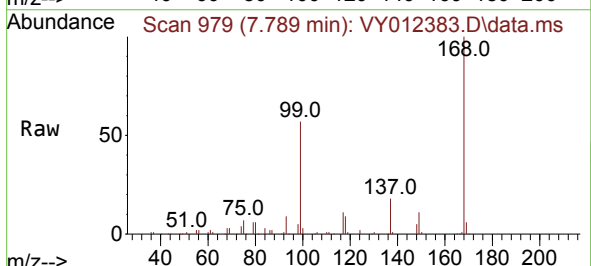
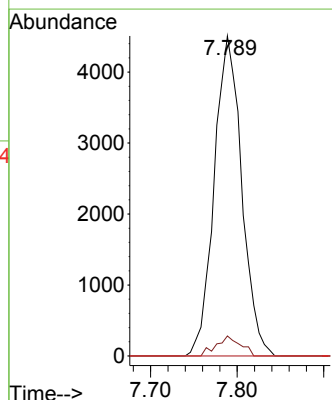
Tgt Ion: 117 Resp: 9952

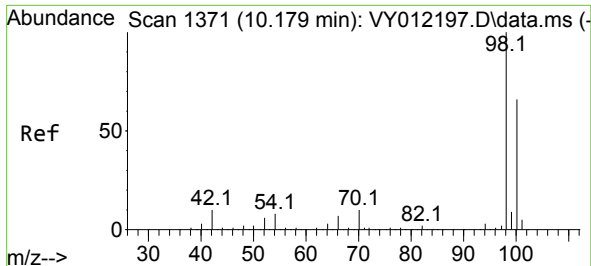
Ion Ratio Lower Upper

117 100

119 6.3 73.8 110.8#

121 0.0 25.2 37.8#

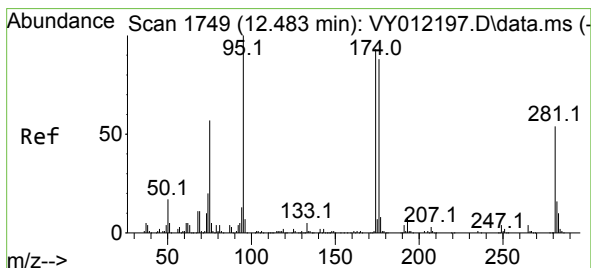
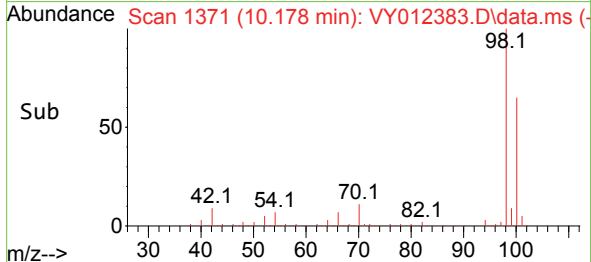
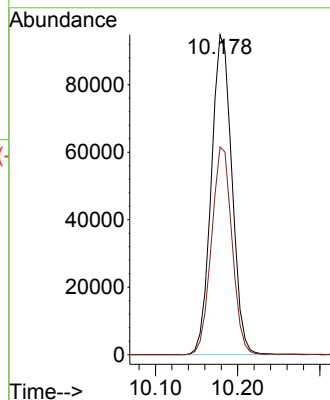
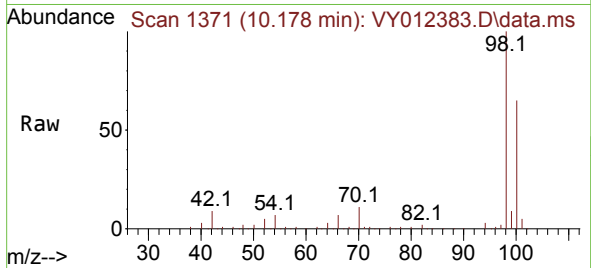




#50
Toluene-d8
Concen: 63.524 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY012383.D
Acq: 27 Jan 2023 15:06

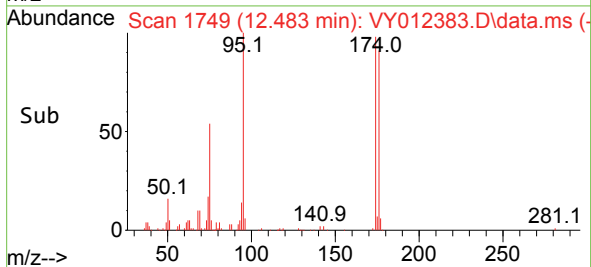
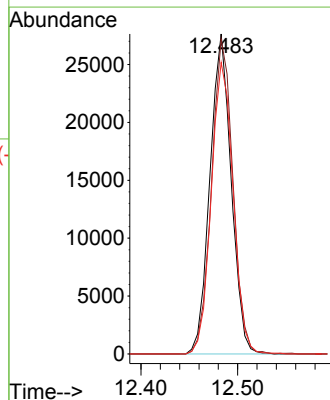
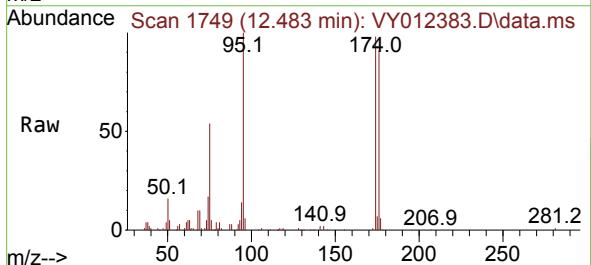
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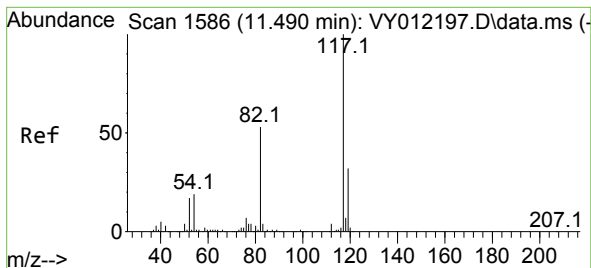
Tgt Ion: 98 Resp: 165092
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 39.135 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY012383.D
Acq: 27 Jan 2023 15:06

Tgt Ion: 95 Resp: 42158
Ion Ratio Lower Upper
95 100
174 99.2 0.0 172.0
176 93.5 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1

Delta R.T. -0.001 min

Lab File: VY012383.D

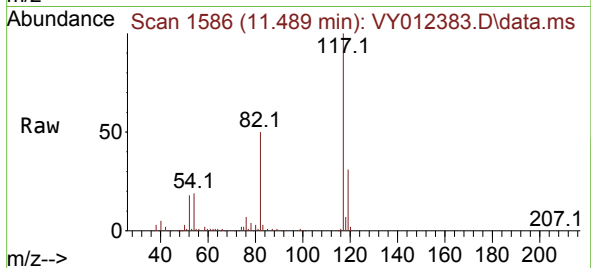
Acq: 27 Jan 2023 15:06

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-BORING-1-14-23-GRAB-8



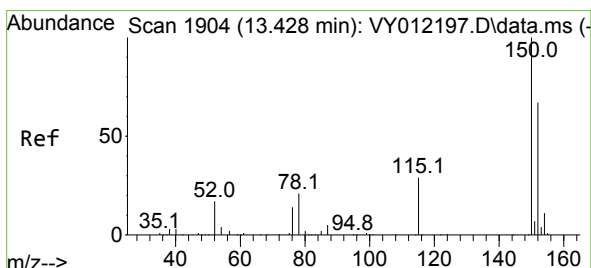
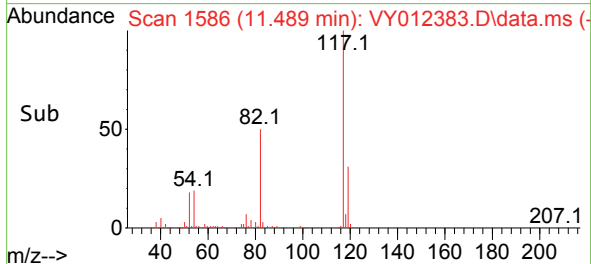
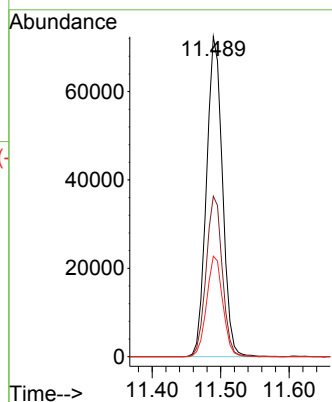
Tgt Ion:117 Resp: 117755

Ion Ratio Lower Upper

117 100

82 50.1 44.8 67.2

119 31.4 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: VY012383.D

Acq: 27 Jan 2023 15:06

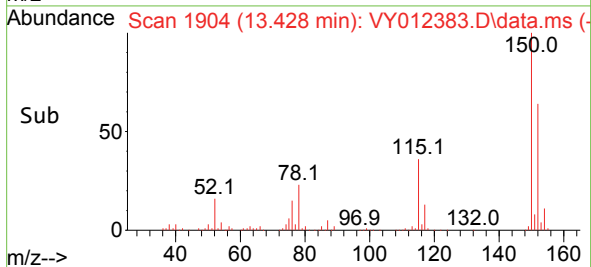
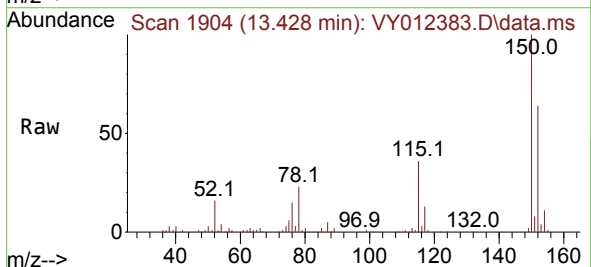
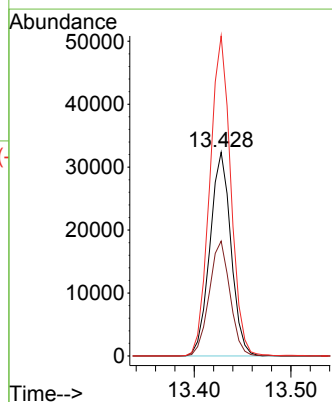
Tgt Ion:152 Resp: 48930

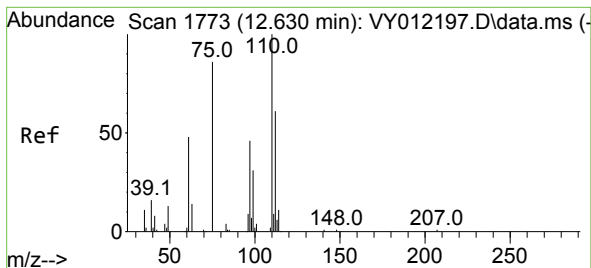
Ion Ratio Lower Upper

152 100

115 55.9 29.1 87.3

150 156.7 0.0 342.6





#76

1,2,3-Trichloropropane

Concen: 50.568 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY012383.D

Acq: 27 Jan 2023 15:06

Instrument :

MSVOA_Y

ClientSampleId :

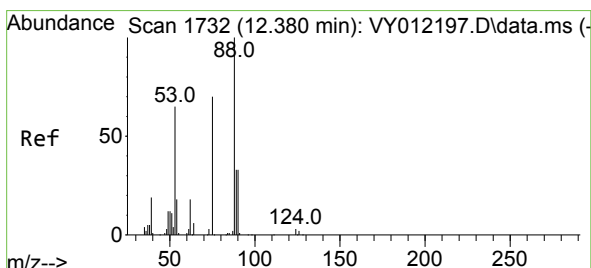
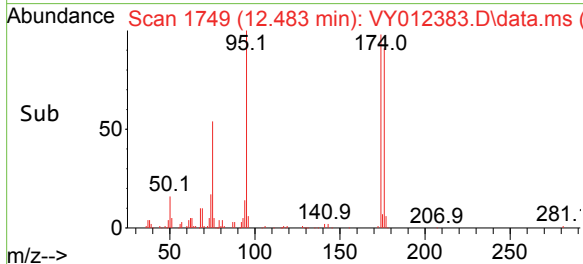
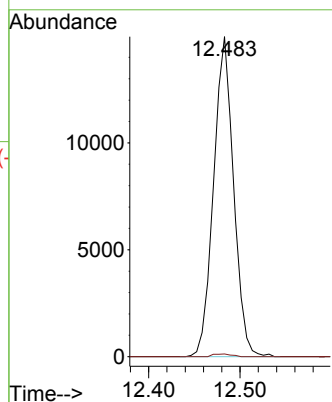
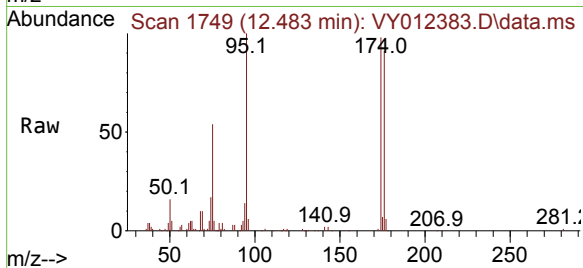
TOTAL-VOC-BORING-1-14-23-GRAB-8

Tgt Ion: 75 Resp: 22752

Ion Ratio Lower Upper

75 100

77 0.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 104.192 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.109 min

Lab File: VY012383.D

Acq: 27 Jan 2023 15:06

Tgt Ion: 75 Resp: 22752

Ion Ratio Lower Upper

75 100

53 0.0 72.5 108.7#

89 0.0 37.0 55.4#

