

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
 Data File : VY003737.D
 Acq On : 11 Dec 2020 19:06
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK04

Quant Time: Dec 12 01:42:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 11 10:03:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	349919	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	324808	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	166474	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	95154	19.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.92%
7) Chloroethane-d5	2.77	69	78904	21.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.56%
10) 1,1-Dichloroethene-d2	3.86	63	168616	18.11	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.44%
20) 2-Butanone-d5	6.90	46	56357	31.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	63.90%
24) Chloroform-d	7.49	84	209335	23.25	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.00%
26) 1,2-Dichloroethane-d4	8.15	65	114539	22.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.44%
29) Benzene-d6	8.12	84	434873	23.13	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.52%
33) 1,2-Dichloropropane-d6	9.12	67	133816	24.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.20%
37) Toluene-d8	10.18	98	401356	23.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.24%
38) trans-1,3-Dichloropropene-	10.44	79	64230	24.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.60%
39) 2-Hexanone-d5	10.79	63	48304	34.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	69.30%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	103160	20.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.24%
61) 1,2-Dichlorobenzene-d4	13.72	152	141358	23.37	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.48%

Target Compounds

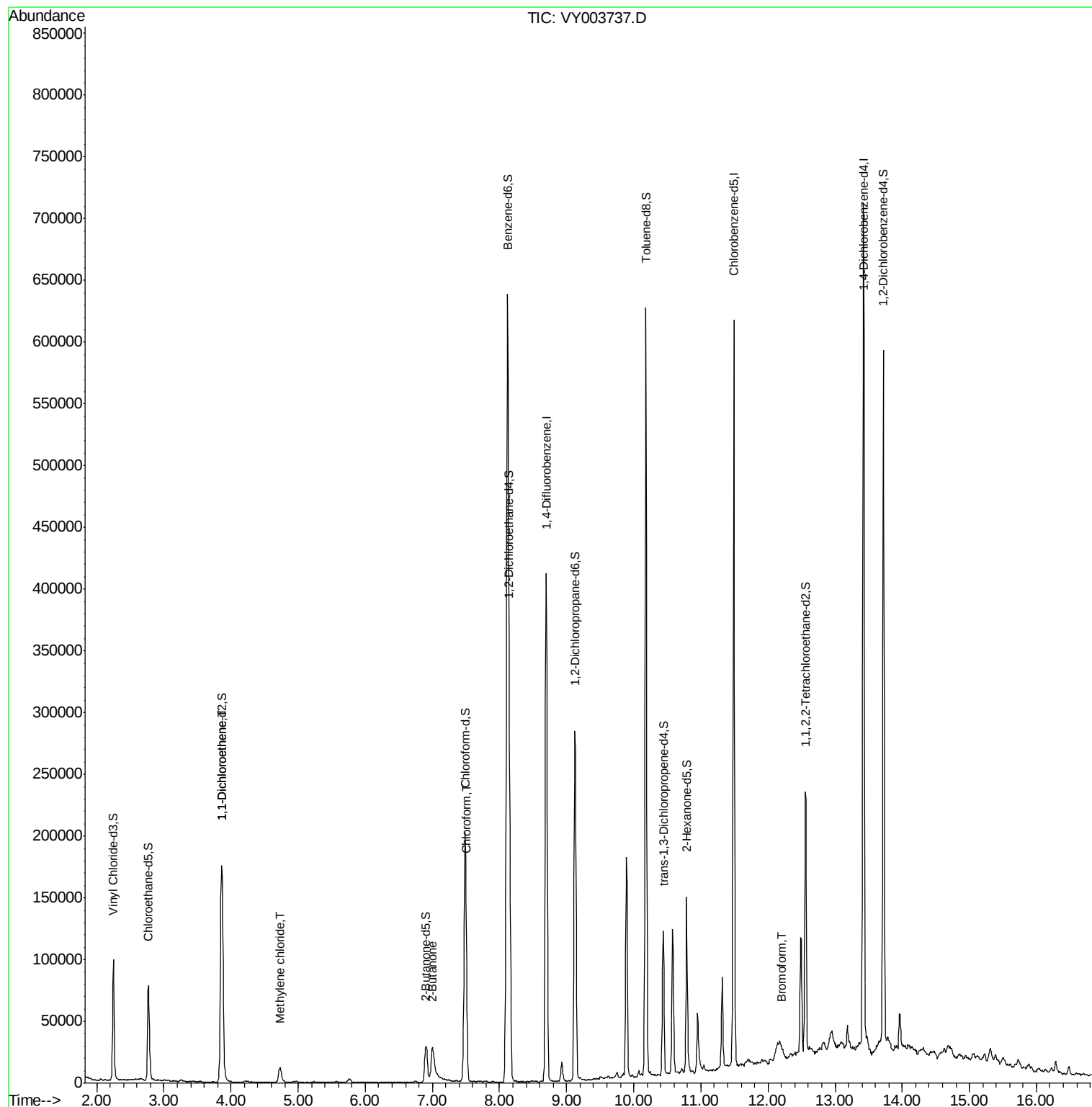
				Ovalue	
12) 1,1-Dichloroethene	3.87	96	1747	0.417 ug/L #	1
16) Methylene chloride	4.73	84	8698	1.416 ug/L	95
21) 2-Butanone	7.00	43	1848	0.809 ug/L #	58
25) Chloroform	7.51	83	2784	0.347 ug/L	76
62) Bromoform	12.21	173	844	0.269 ug/L #	43

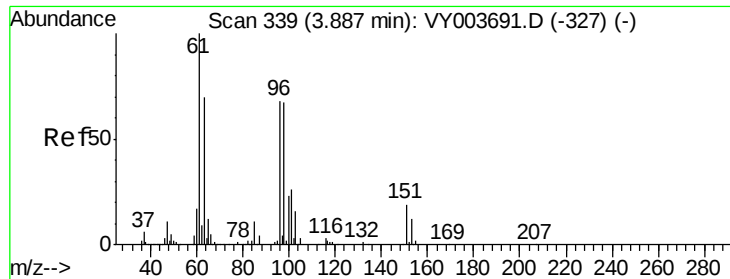
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.417 ug/L

RT: 3.87 min Scan# 336

Delta R.T. -0.02 min

Lab File: VY003737.D

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MSVOA_Y

ClientSampleId :

VIBLK04

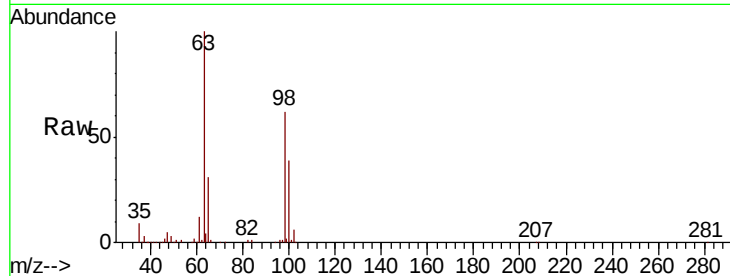
Tot Ion: 96 Resp: 1747

Ion Ratio Lower Upper

96 100

61 1053.3 108.5 201.5#

63 8917.0 87.8 163.0#

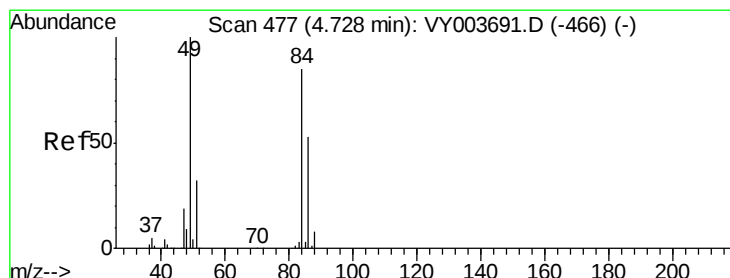
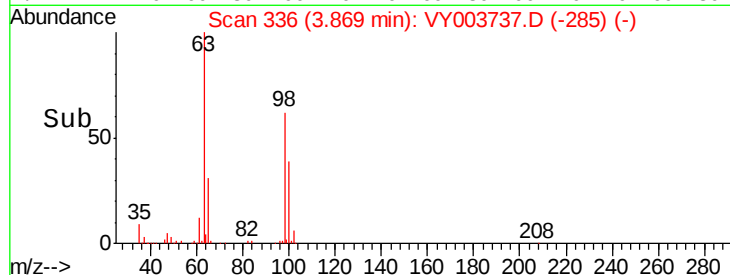
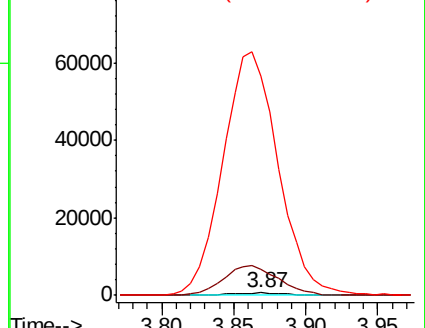


Abundance

Ion 96.00 (95.70 to 96.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

Ion 63.00 (62.70 to 63.70): VY0



#16

Methylene chloride

Concen: 1.416 ug/L

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VY003737.D

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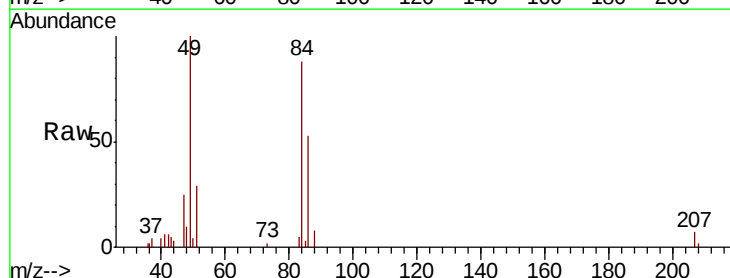
Tgt Ion: 84 Resp: 8698

Ion Ratio Lower Upper

84 100

49 114.0 83.7 155.4

86 60.6 45.0 83.6

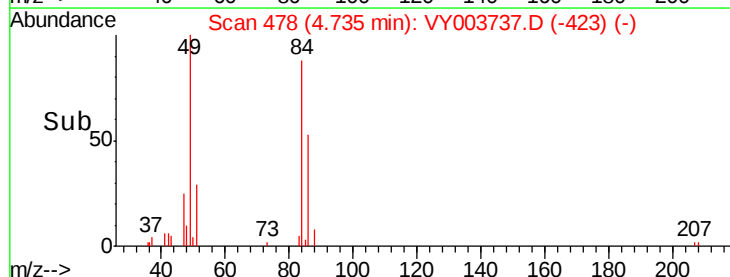
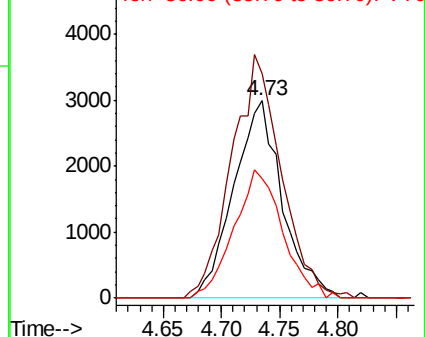


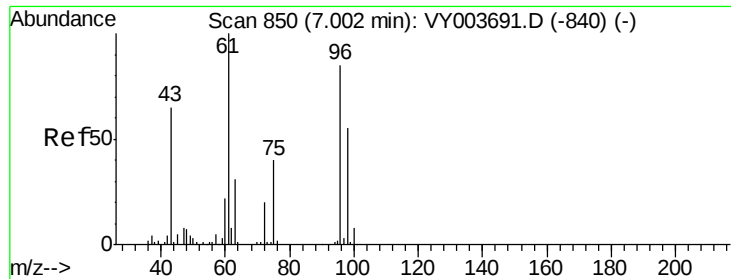
Abundance

Ion 84.00 (83.70 to 84.70): VY0

Ion 49.00 (48.70 to 49.70): VY0

Ion 86.00 (85.70 to 86.70): VY0





#21

2-Butanone

Concen: 0.809 ug/L

RT: 7.00 min Scan# 850

Delta R.T. 0.00 min

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Instrument :

MSVOA_Y

ClientSampleId :

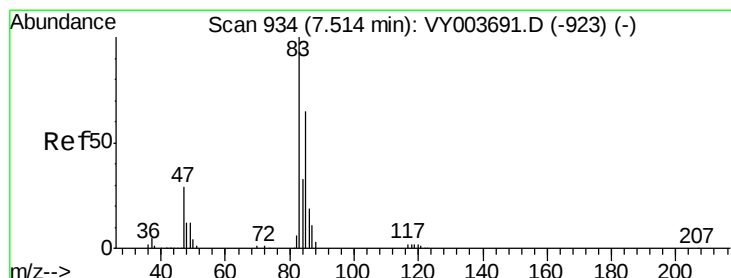
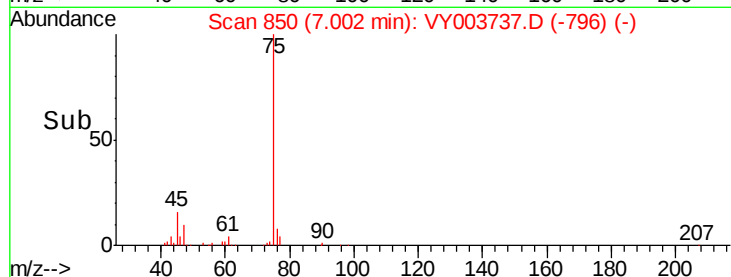
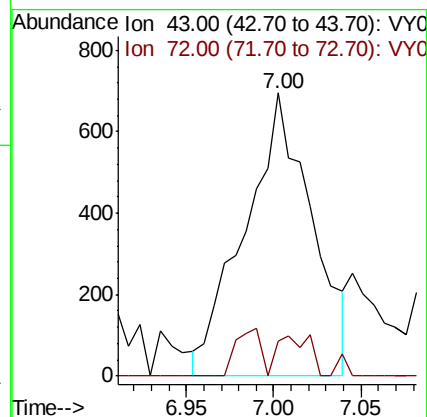
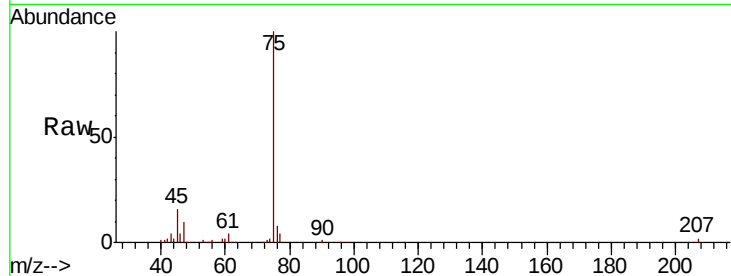
VIBLK04

Tot Ion: 43 Resp: 1848

Ion Ratio Lower Upper

43 100

72 5.0 13.3 39.9#



#25

Chloroform

Concen: 0.347 ug/L

RT: 7.51 min Scan# 933

Delta R.T. -0.01 min

Lab File: VY003737.D

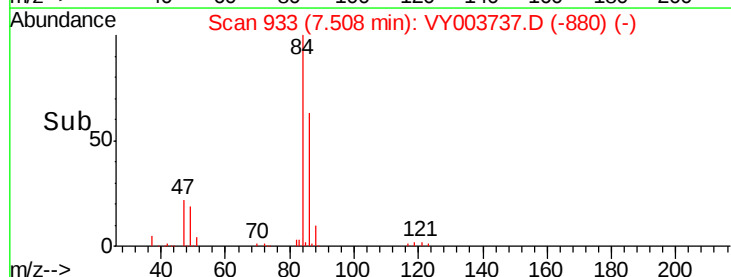
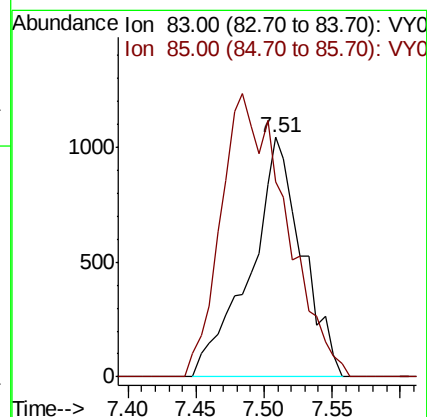
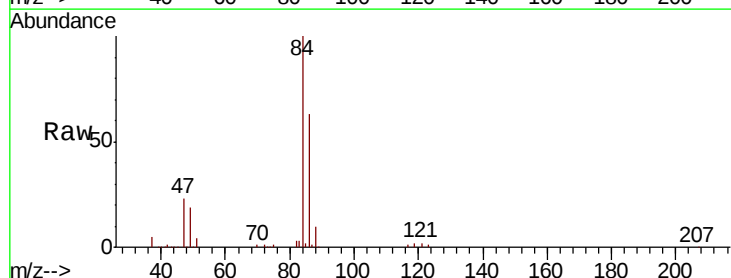
Acq: 11 Dec 2020 19:06

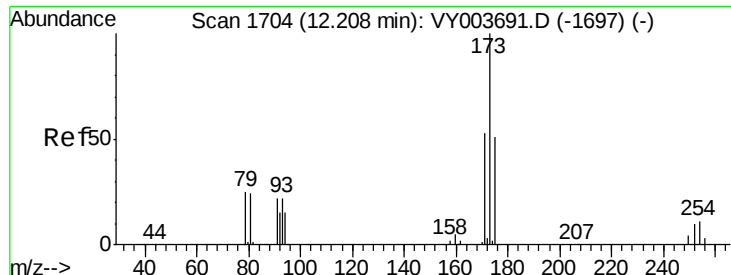
Tgt Ion: 83 Resp: 2784

Ion Ratio Lower Upper

83 100

85 85.9 46.5 86.5





#62

Bromoform

Concen: 0.269 ug/L

RT: 12.21 min Scan# 1705

Delta R.T. 0.01 min

Lab File: VY003737.D

Acq: 11 Dec 2020 19:06

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK04

Tot Ion:173 Resp: 844

Ion Ratio Lower Upper

173 100

175 5.6 39.1 58.7#

254 0.0 7.7 11.5#

