

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
 Data File : VY003735.D
 Acq On : 11 Dec 2020 18:21
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK03

Quant Time: Dec 12 01:42:16 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	337828	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	320855	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	167048	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	93648	19.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.40%
7) Chloroethane-d5	2.77	69	76045	21.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.40%
10) 1,1-Dichloroethene-d2	3.86	63	158298	17.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.44%
20) 2-Butanone-d5	6.90	46	67492	39.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.26%
24) Chloroform-d	7.48	84	204485	23.52	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.08%
26) 1,2-Dichloroethane-d4	8.15	65	114315	23.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.48%
29) Benzene-d6	8.12	84	428323	23.06	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.24%
33) 1,2-Dichloropropane-d6	9.12	67	133269	24.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.96%
37) Toluene-d8	10.18	98	394876	23.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.84%
38) trans-1,3-Dichloropropene-	10.44	79	65329	24.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.48%
39) 2-Hexanone-d5	10.79	63	58278	42.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.64%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	110817	22.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.52%
61) 1,2-Dichlorobenzene-d4	13.72	152	146878	24.20	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.80%

Target Compounds

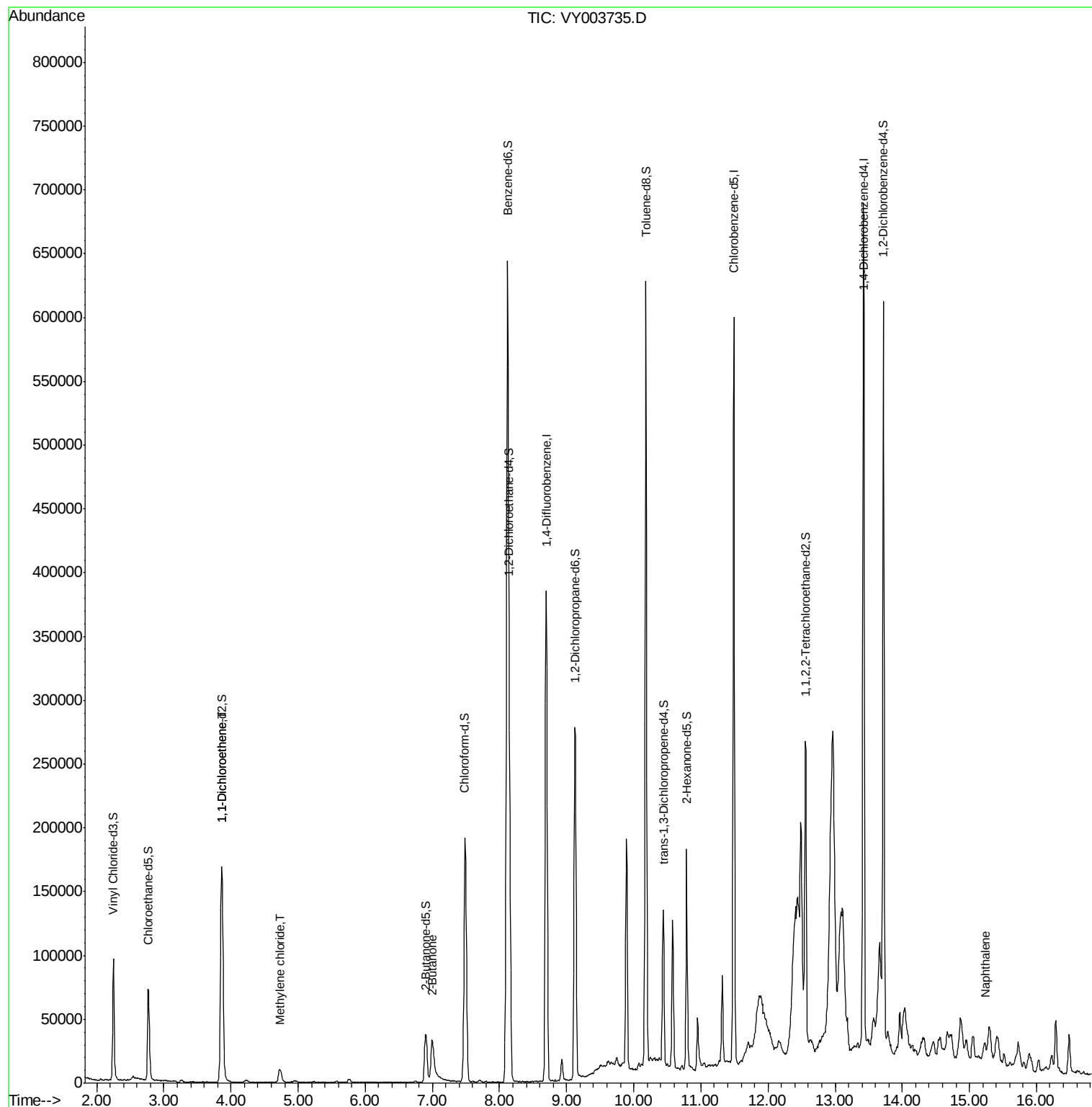
					Ovalue
12) 1,1-Dichloroethene	3.86	96	1813	0.448 ug/L #	1
16) Methylene chloride	4.73	84	7523	1.268 ug/L	95
21) 2-Butanone	7.00	43	2553	1.158 ug/L #	62
69) Naphthalene	15.24	128	5186	0.413 ug/L #	91

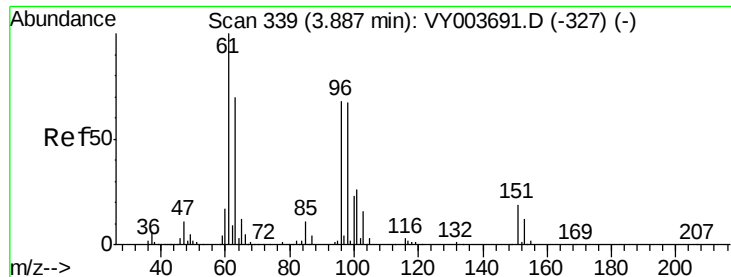
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.448 ug/L

RT: 3.86 min Scan# 335

Delta R.T. -0.02 min

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Instrument :

MSVOA_Y

ClientSampleId :

VIBLK03

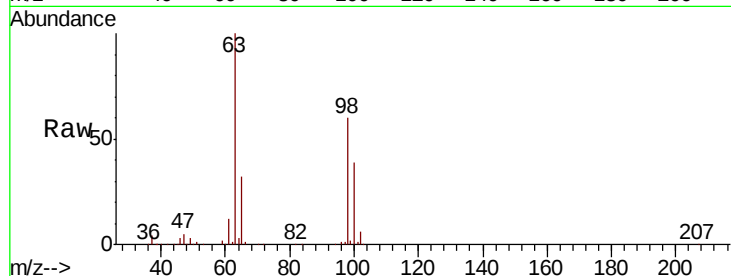
Tot Ion: 96 Resp: 1813

Ion Ratio Lower Upper

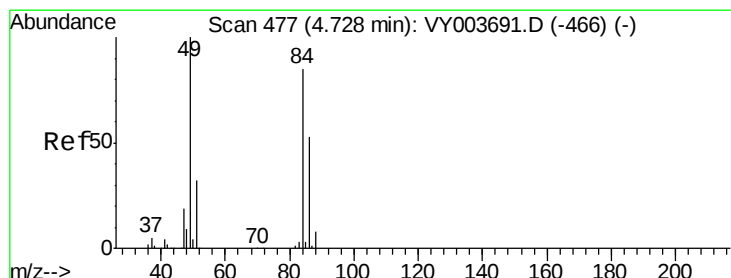
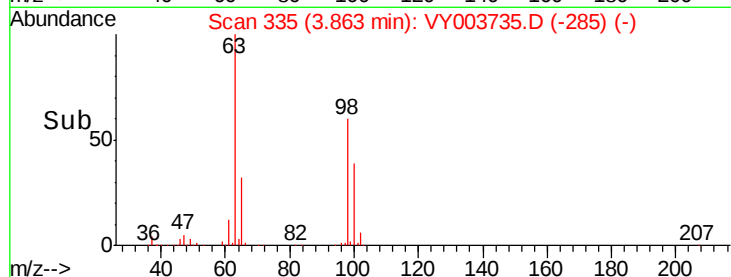
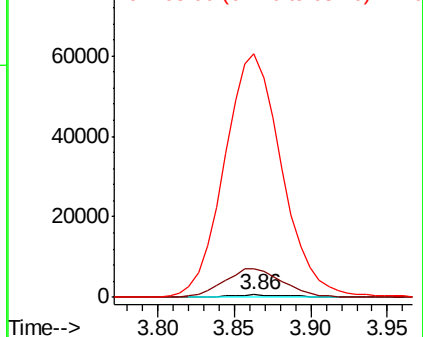
96 100

61 1079.7 108.5 201.5#

63 9157.0 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: 1.268 ug/L

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VY003735.D

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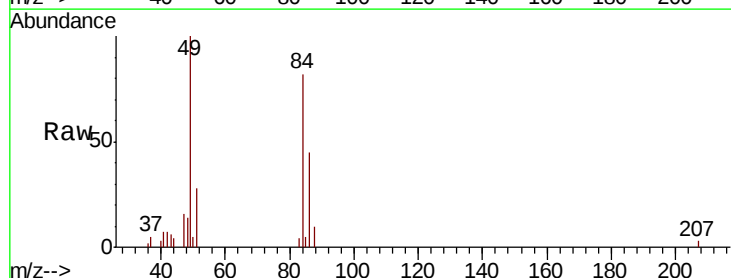
Tgt Ion: 84 Resp: 7523

Ion Ratio Lower Upper

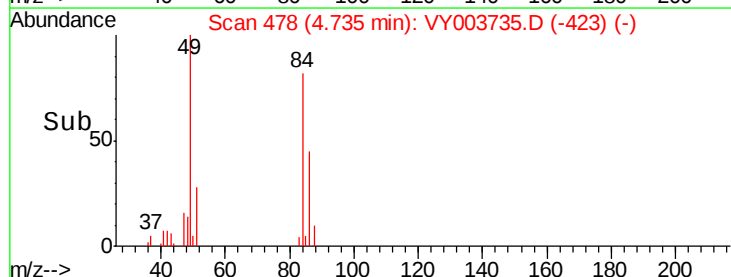
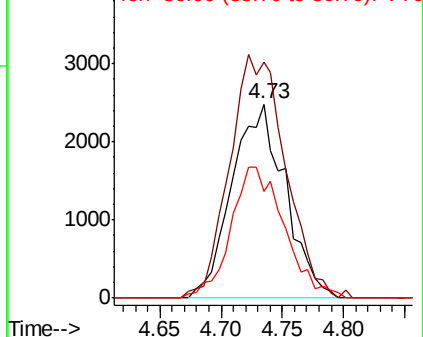
84 100

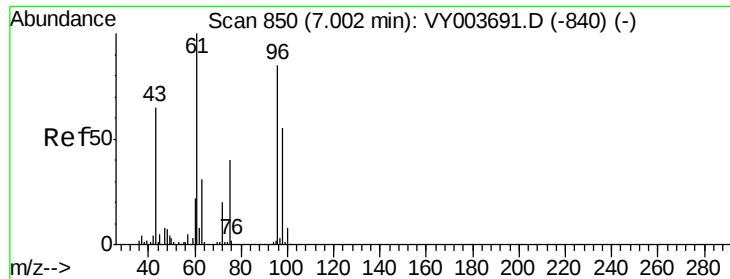
49 121.6 83.7 155.4

86 54.9 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: 1.158 ug/L

RT: 7.00 min Scan# 850

Delta R.T. 0.00 min

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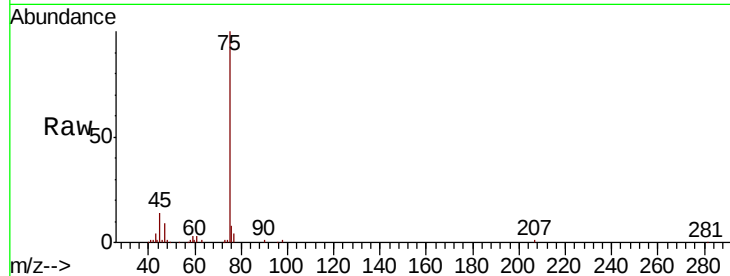
VIBLK03

Tot Ion: 43 Resp: 2553

Ion Ratio Lower Upper

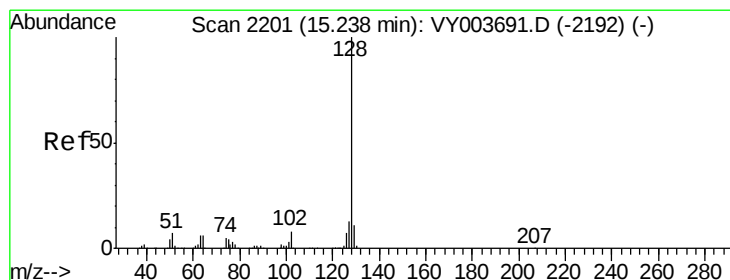
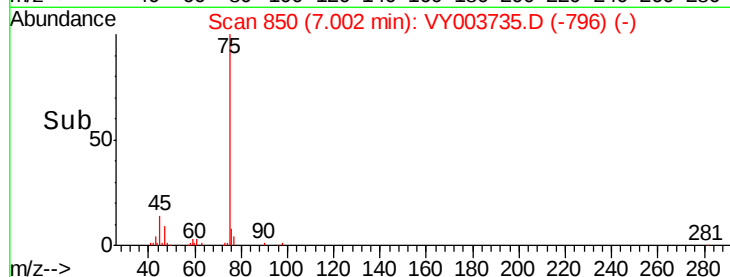
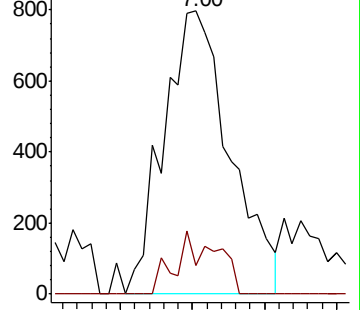
43 100

72 6.9 13.3 39.9#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#69

Naphthalene

Concen: 0.413 ug/L

RT: 15.24 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VY003735.D

Acq: 11 Dec 2020 18:21

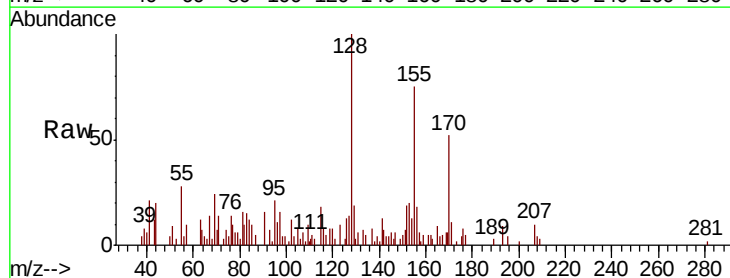
Tgt Ion: 128 Resp: 5186

Ion Ratio Lower Upper

128 100

129 10.0 8.7 13.1

127 6.8 10.2 15.4#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

