

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120920\
 Data File : VY003697.D
 Acq On : 09 Dec 2020 13:54
 Operator : SY/MD
 Sample : L4980-01
 Misc : 6.08G/10ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1E6

Quant Time: Dec 10 03:14:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 10 02:27:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	220558	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	210366	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	95360	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	58536	18.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.08%
7) Chloroethane-d5	2.77	69	49647	21.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.40%
10) 1,1-Dichloroethene-d2	3.86	63	91943	15.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.64%
20) 2-Butanone-d5	6.90	46	43085	38.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.50%
24) Chloroform-d	7.49	84	125557	22.12	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.48%
26) 1,2-Dichloroethane-d4	8.15	65	69048	21.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.48%
29) Benzene-d6	8.12	84	273283	22.44	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.76%
33) 1,2-Dichloropropane-d6	9.12	67	81487	22.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.44%
37) Toluene-d8	10.18	98	250983	22.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.96%
38) trans-1,3-Dichloropropene-	10.44	79	37666	21.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.48%
39) 2-Hexanone-d5	10.79	63	36596	40.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.06%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	66694	20.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.08%
61) 1,2-Dichlorobenzene-d4	13.72	152	85622	24.71	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.84%

Target Compounds

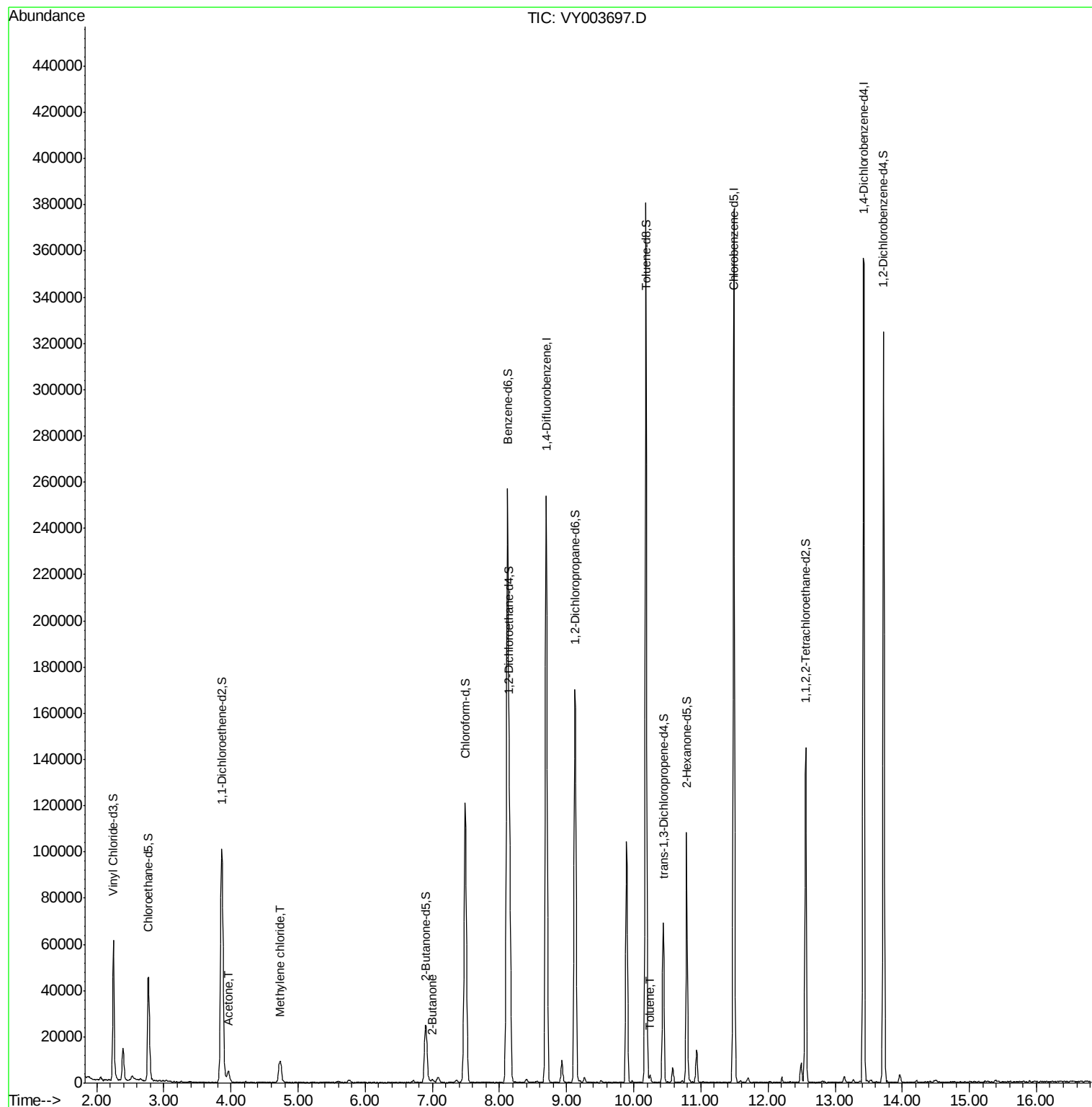
					Ovalue
13) Acetone	3.96	43	8038	9.861 ug/L	98
16) Methylene chloride	4.73	84	7373	1.904 ug/L	86
21) 2-Butanone	6.99	43	1554	1.080 ug/L	75
44) Toluene	10.25	91	2442	0.192 ug/L	93

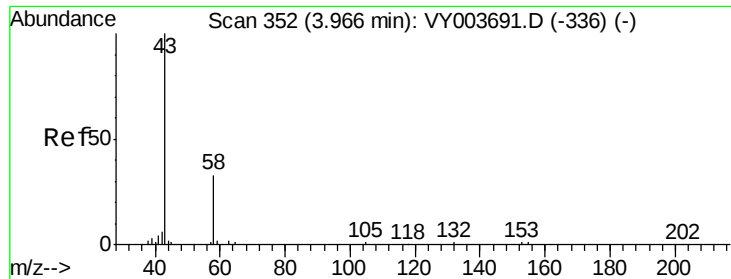
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 9.861 ug/L

RT: 3.96 min Scan# 351

Delta R.T. -0.01 min

Lab File: VY003697.D

Acq: 09 Dec 2020 13:54

Instrument :

MSVOA_Y

ClientSampleId :

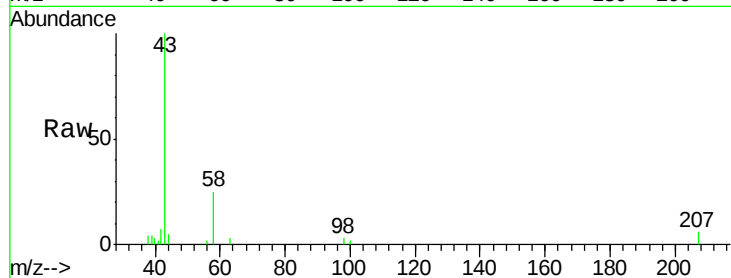
GB1E6

Tot Ion: 43 Resp: 8038

Ion Ratio Lower Upper

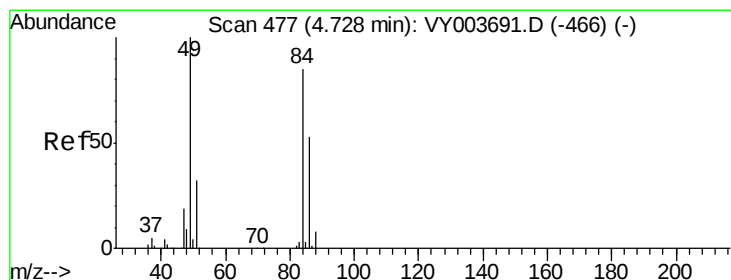
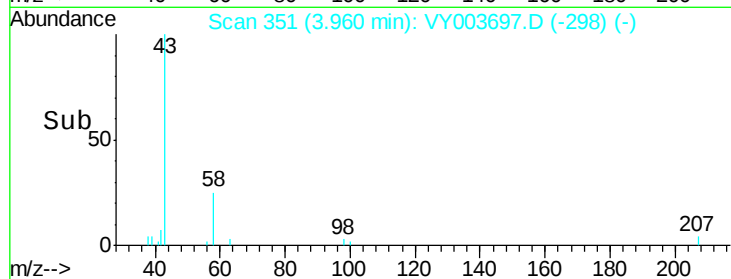
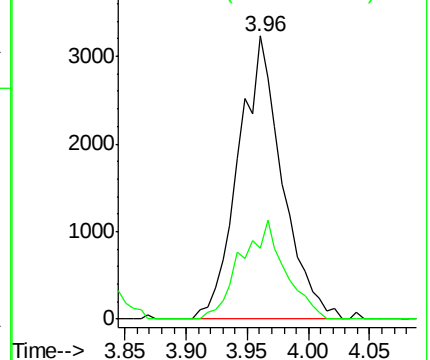
43 100

58 35.3 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#16

Methylene chloride

Concen: 1.904 ug/L

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

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Acq: 09 Dec 2020 13:54

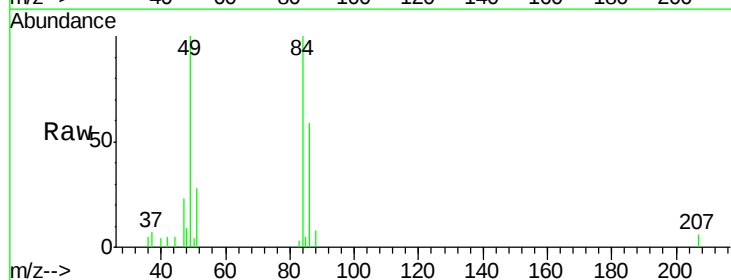
Tgt Ion: 84 Resp: 7373

Ion Ratio Lower Upper

84 100

49 100.2 83.7 155.4

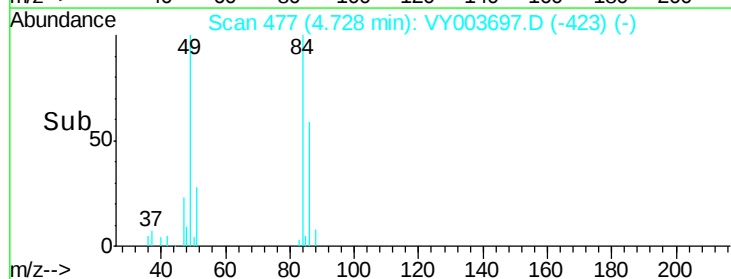
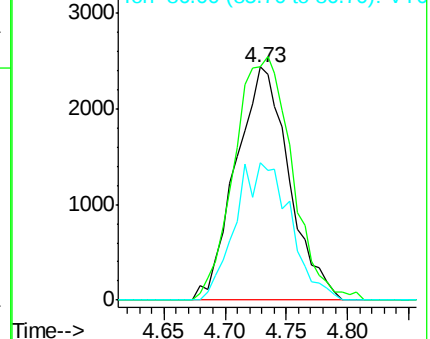
86 58.9 45.0 83.6

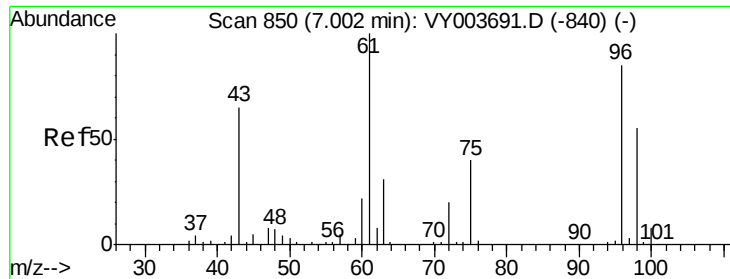


Abundance Ion 84.00 (83.70 to 84.70): VY0

Ion 49.00 (48.70 to 49.70): VY0

Ion 86.00 (85.70 to 86.70): VY0





#21

2-Butanone

Concen: 1.080 ug/L

RT: 6.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VY003697.D

Acq: 09 Dec 2020 13:54

Instrument :

MSVOA_Y

ClientSampled :

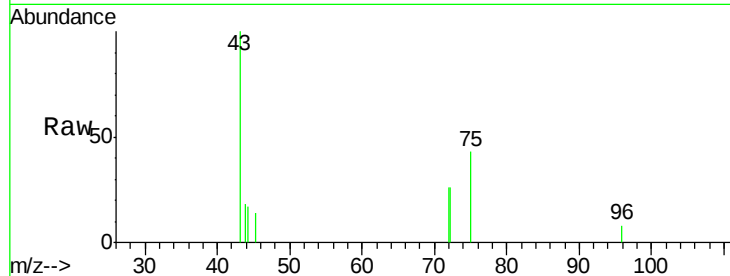
GB1E6

Tot Ion: 43 Resp: 1554

Ion Ratio Lower Upper

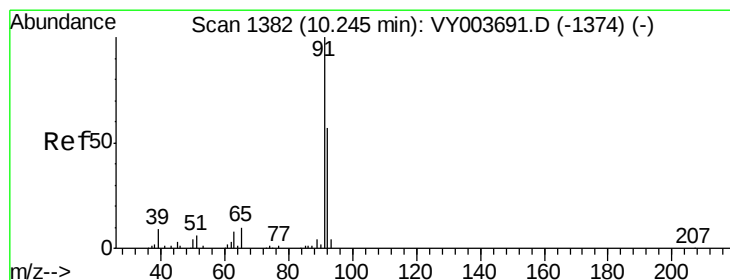
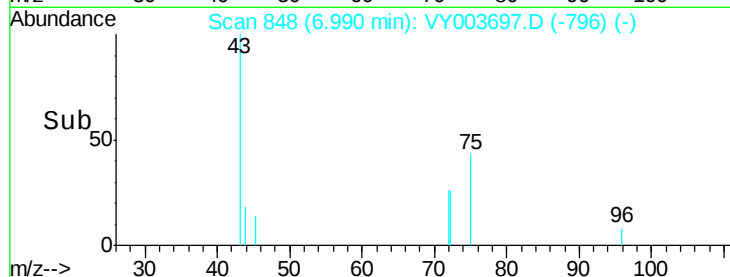
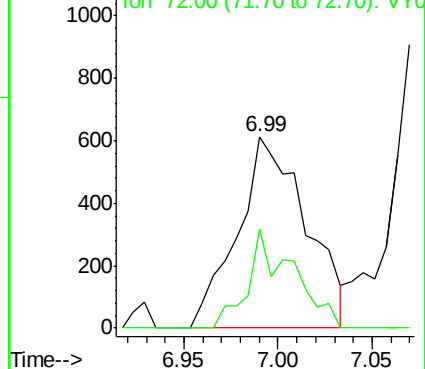
43 100

72 13.8 13.3 39.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#44

Toluene

Concen: 0.192 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003697.D

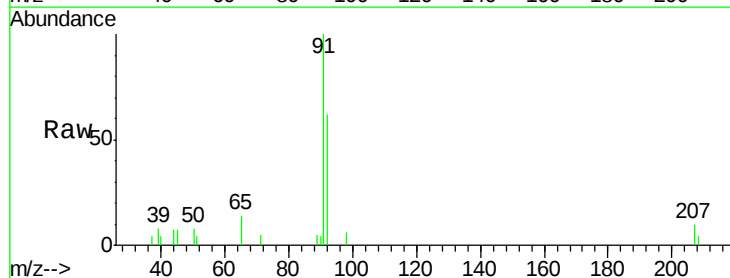
Acq: 09 Dec 2020 13:54

Tgt Ion: 91 Resp: 2442

Ion Ratio Lower Upper

91 100

92 61.8 39.8 73.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0

