

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121020\
 Data File : VY003714.D
 Acq On : 10 Dec 2020 13:11
 Operator : SY/MD
 Sample : L4979-02
 Misc : 4.72G/10ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1F4

Quant Time: Dec 11 01:02:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 11 00:47:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	136883	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	121101	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	41779	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	38548	19.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.64%
7) Chloroethane-d5	2.77	69	31136	21.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.28%
10) 1,1-Dichloroethene-d2	3.86	63	58425	16.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.16%
20) 2-Butanone-d5	6.90	46	23726	34.38	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	68.76%
24) Chloroform-d	7.49	84	75552	21.45	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.80%
26) 1,2-Dichloroethane-d4	8.15	65	41033	20.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.80%
29) Benzene-d6	8.12	84	159918	22.81	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.24%
33) 1,2-Dichloropropane-d6	9.13	67	45984	22.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.64%
37) Toluene-d8	10.18	98	135458	21.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.20%
38) trans-1,3-Dichloropropene-	10.44	79	19288	19.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	77.80%
39) 2-Hexanone-d5	10.79	63	17545	33.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	67.50%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	32846	17.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	71.08%
61) 1,2-Dichlorobenzene-d4	13.72	152	34225	22.55	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.20%

Target Compounds

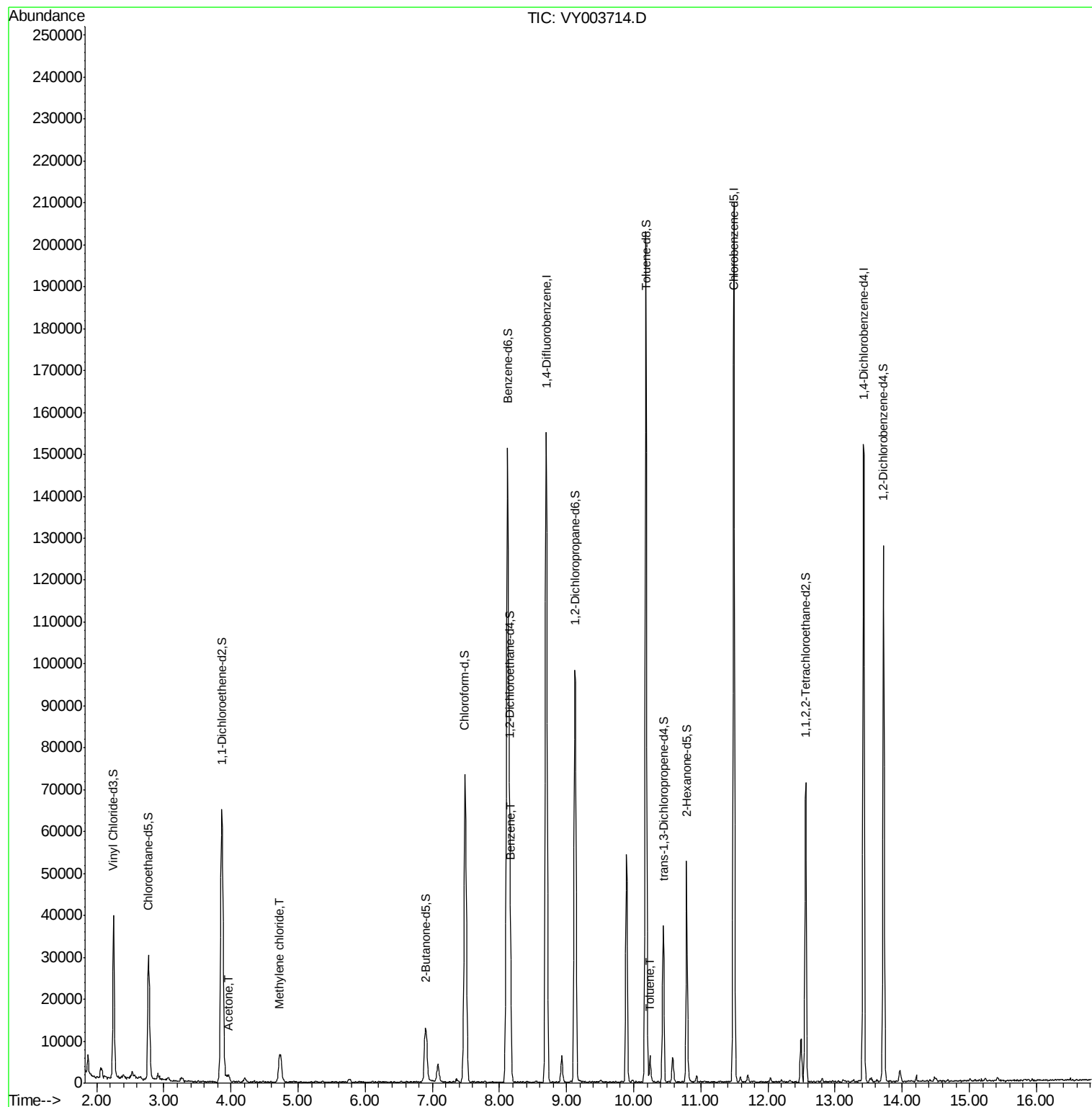
					Ovalue
13) Acetone	3.96	43	2346	4.638 ug/L	99
16) Methylene chloride	4.72	84	5108	2.125 ug/L	98
34) Benzene	8.17	78	3212	0.464 ug/L	100
44) Toluene	10.25	91	4520	0.619 ug/L	92

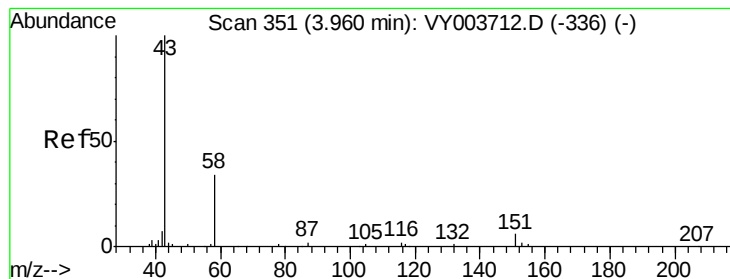
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 4.638 ug/L

RT: 3.96 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY003714.D

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Instrument :

MSVOA_Y

ClientSampled :

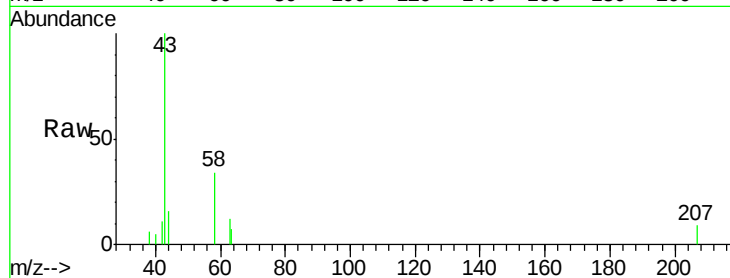
GB1F4

Tot Ion: 43 Resp: 2346

Ion Ratio Lower Upper

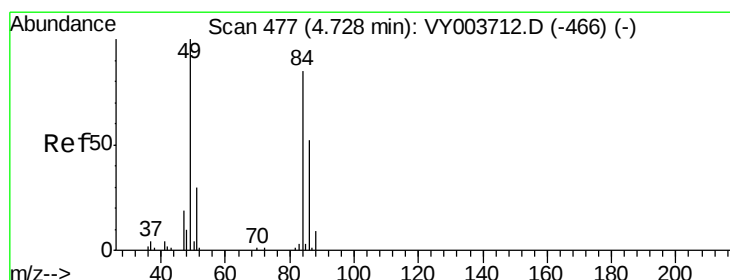
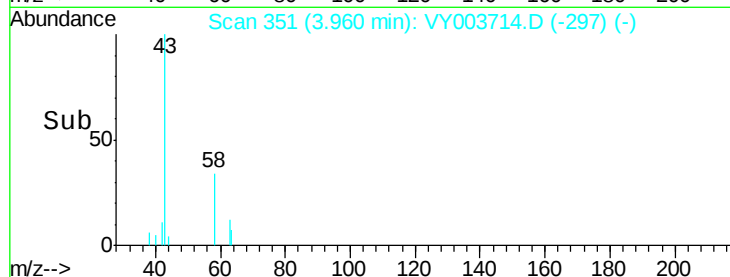
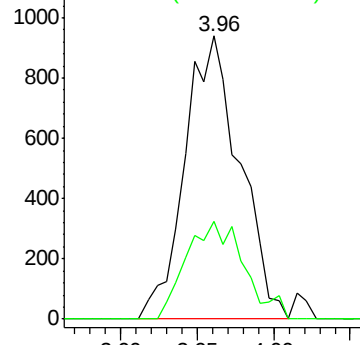
43 100

58 34.1 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: 2.125 ug/L

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

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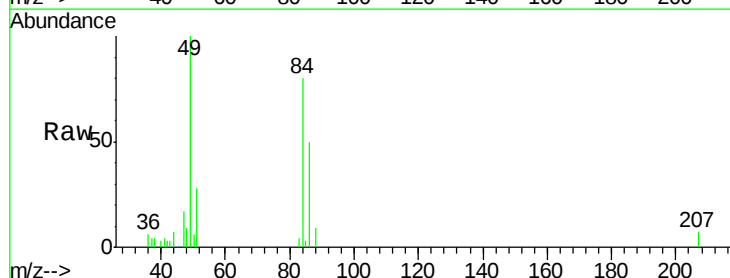
Tgt Ion: 84 Resp: 5108

Ion Ratio Lower Upper

84 100

49 120.0 83.7 155.4

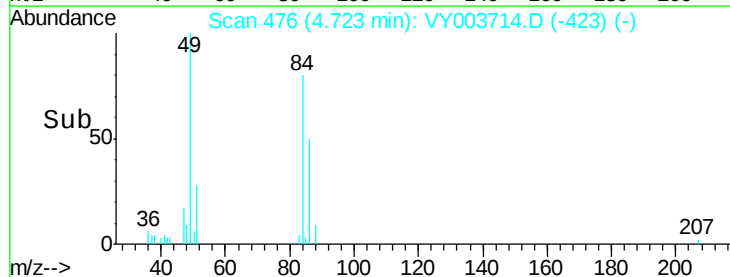
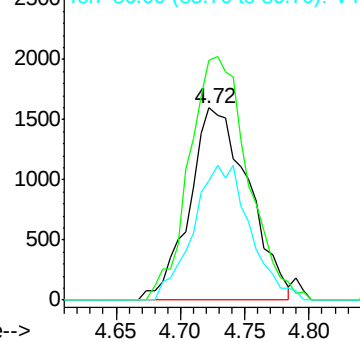
86 59.9 45.0 83.6

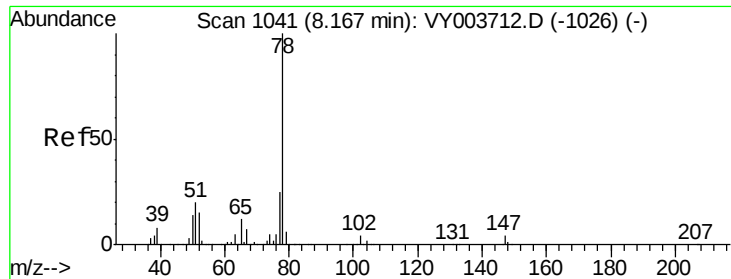


Abundance Ion 84.00 (83.70 to 84.70): VY0

Ion 49.00 (48.70 to 49.70): VY0

Ion 86.00 (85.70 to 86.70): VY0





#34

Benzene

Concen: 0.464 ug/L

RT: 8.17 min Scan# 1041

Delta R.T. 0.00 min

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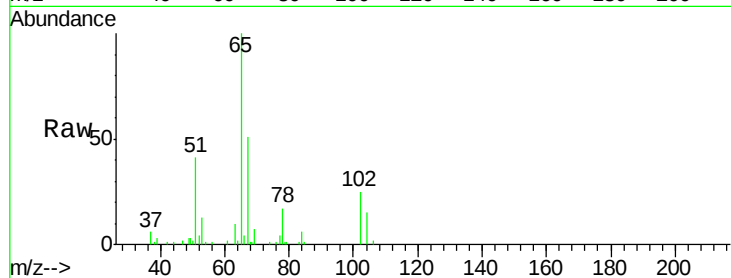
Instrument :

MSVOA_Y

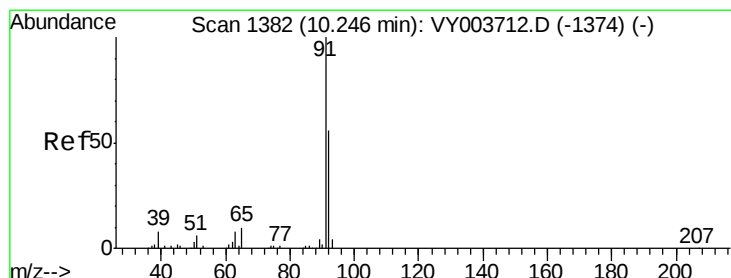
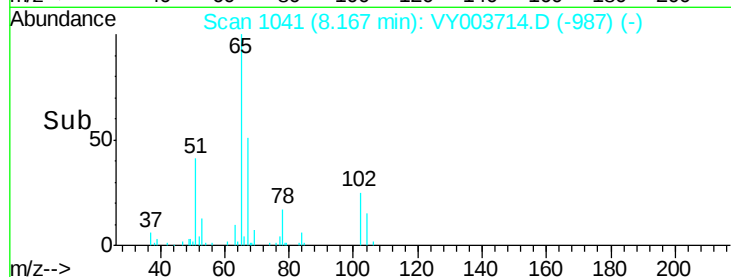
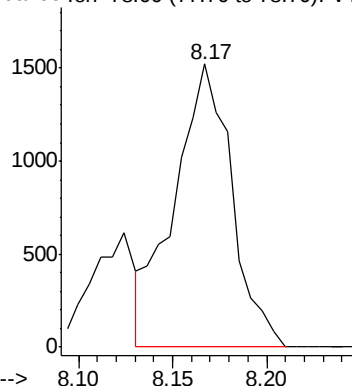
ClientSampleId :

GB1F4

Tgt Ion: 78 Resp: 3212



Abundance Ion 78.00 (77.70 to 78.70): VY0



#44

Toluene

Concen: 0.619 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003714.D

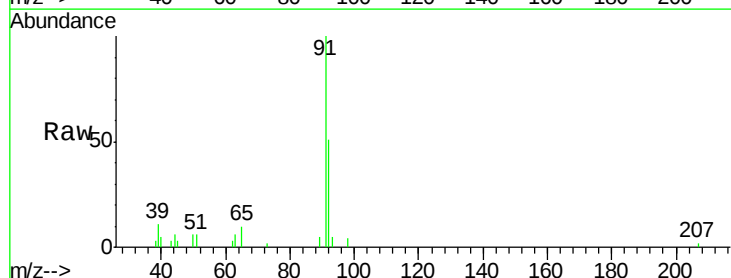
Acq: 10 Dec 2020 13:11

Tgt Ion: 91 Resp: 4520

Ion Ratio Lower Upper

91 100

92 50.8 39.8 73.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0

