

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120920\
 Data File : VY003708.D
 Acq On : 09 Dec 2020 18:05
 Operator : SY/MD
 Sample : L4979-11
 Misc : 5.59G/10ML/MSVOA Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1G1

Quant Time: Dec 10 04:06:33 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	193896	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	183326	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	85254	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	54010	19.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.80%
7) Chloroethane-d5	2.77	69	45144	21.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.28%
10) 1,1-Dichloroethene-d2	3.86	63	83086	16.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.40%
20) 2-Butanone-d5	6.90	46	39525	40.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.86%
24) Chloroform-d	7.49	84	115887	23.23	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.92%
26) 1,2-Dichloroethane-d4	8.15	65	64394	22.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.76%
29) Benzene-d6	8.12	84	249766	23.53	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.12%
33) 1,2-Dichloropropane-d6	9.13	67	75405	24.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.04%
37) Toluene-d8	10.18	98	229867	24.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.64%
38) trans-1,3-Dichloropropene-	10.44	79	35207	23.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.80%
39) 2-Hexanone-d5	10.79	63	34817	44.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.50%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	65319	23.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.36%
61) 1,2-Dichlorobenzene-d4	13.72	152	82367	26.59	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.36%

Target Compounds

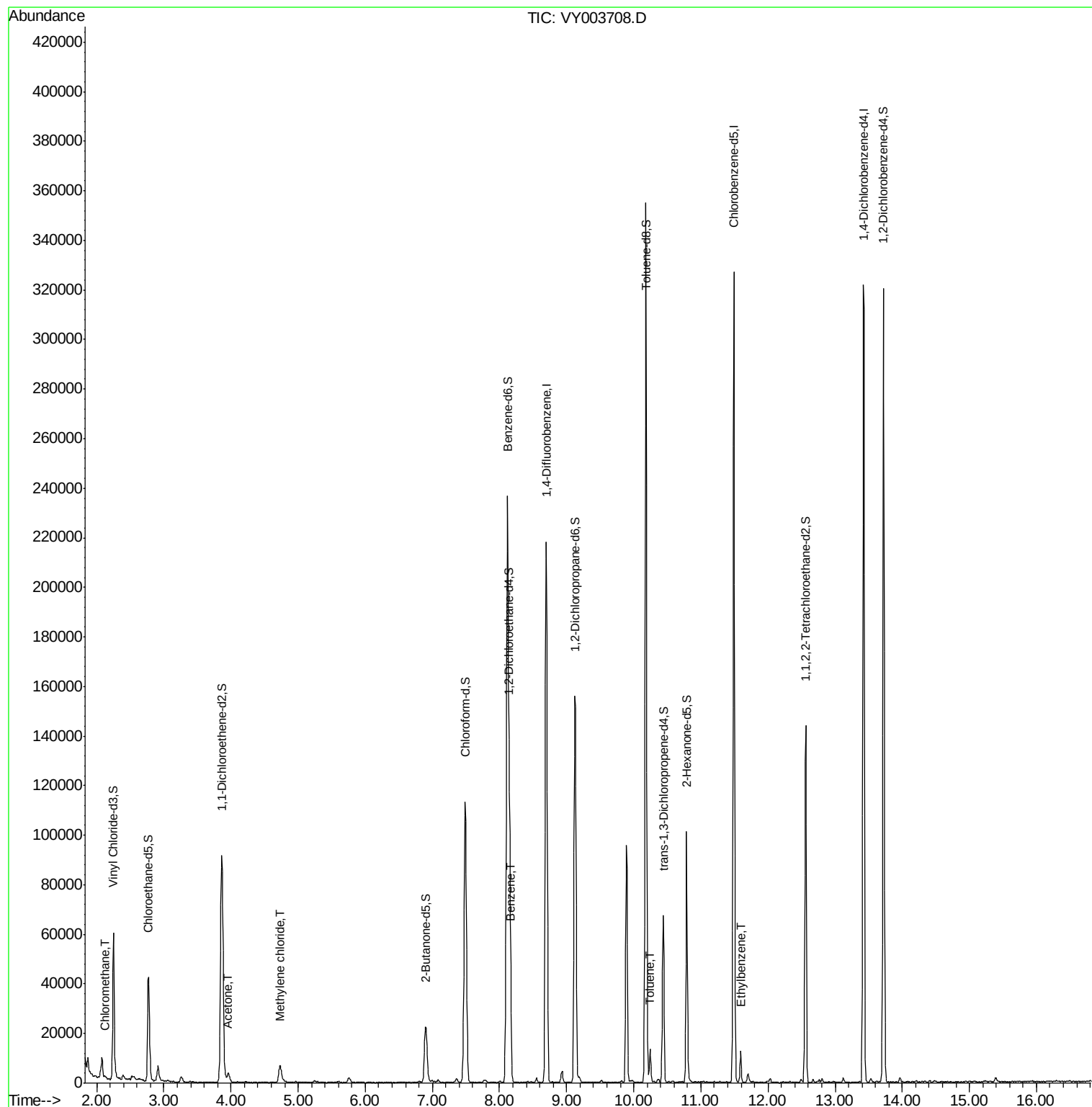
					Ovalue
3) Chloromethane	2.11	50	893	0.378 ug/L	83
13) Acetone	3.96	43	5458	7.617 ug/L	100
16) Methylene chloride	4.73	84	4904	1.440 ug/L	76
34) Benzene	8.17	78	2785	0.266 ug/L	100
44) Toluene	10.25	91	9207	0.832 ug/L	95
53) Ethylbenzene	11.59	91	7527	0.623 ug/L	96

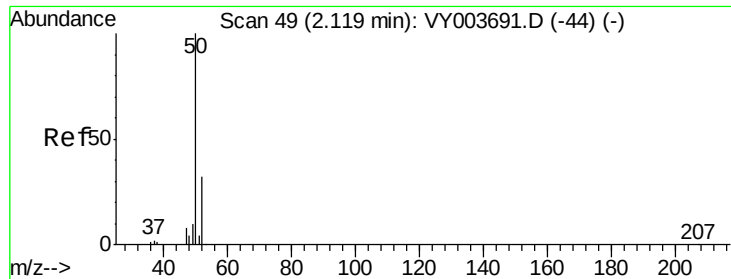
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.378 ug/L

RT: 2.11 min Scan# 48

Delta R.T. -0.01 min

Lab File: VY003708.D

Acq: 09 Dec 2020 18:05

Instrument :

MSVOA_Y

ClientSampleId :

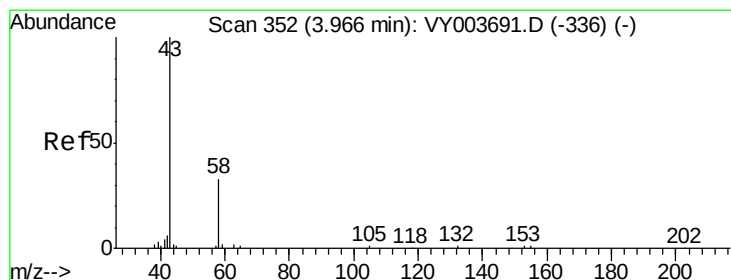
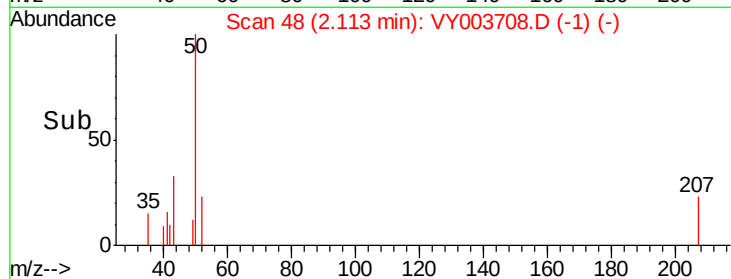
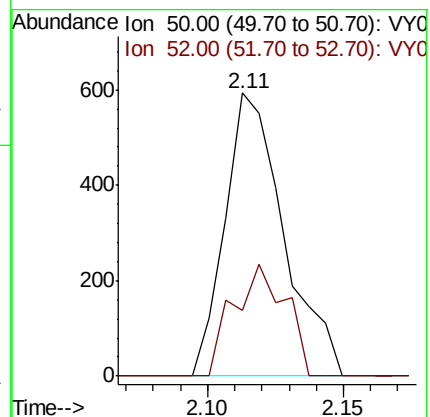
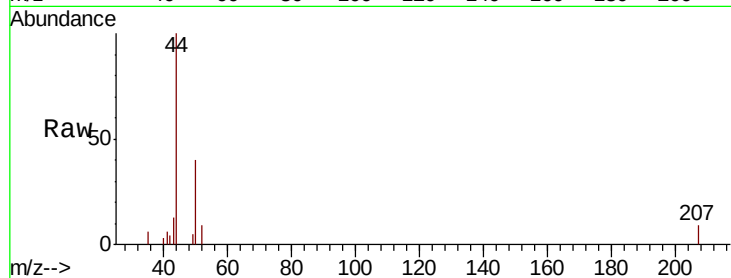
GB1G1

Tot Ion: 50 Resp: 893

Ion Ratio Lower Upper

50 100

52 23.4 23.1 42.9



#13

Acetone

Concen: 7.617 ug/L

RT: 3.96 min Scan# 351

Delta R.T. -0.01 min

Lab File: VY003708.D

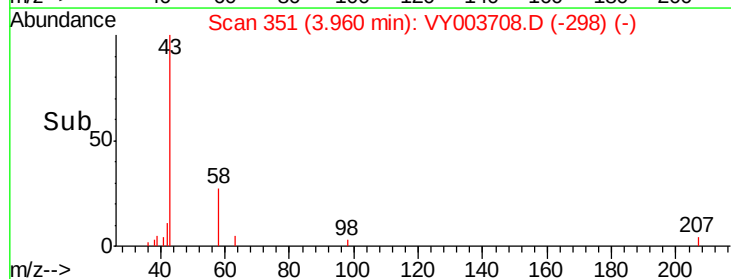
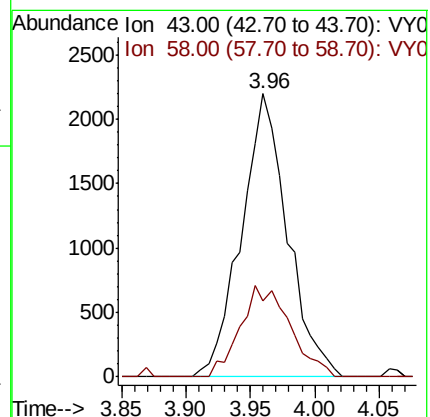
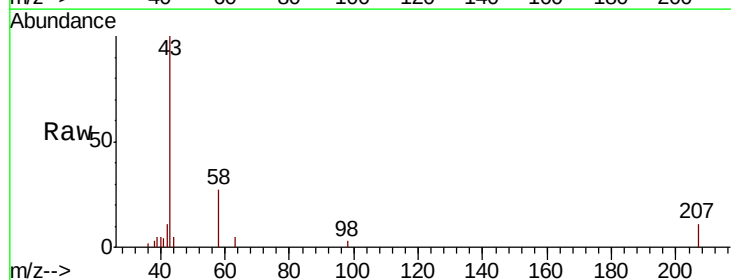
Acq: 09 Dec 2020 18:05

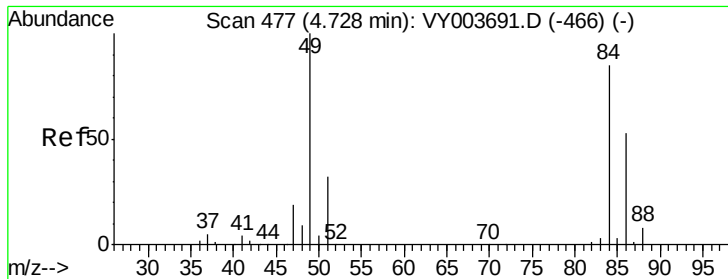
Tgt Ion: 43 Resp: 5458

Ion Ratio Lower Upper

43 100

58 34.5 0.0 68.8

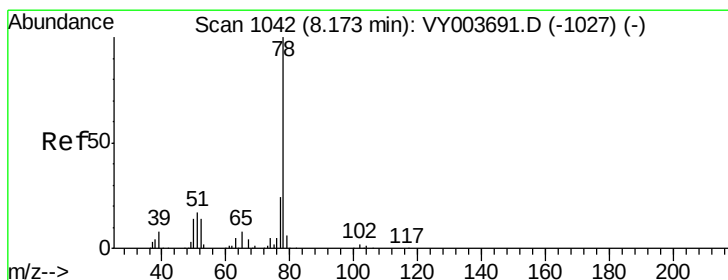
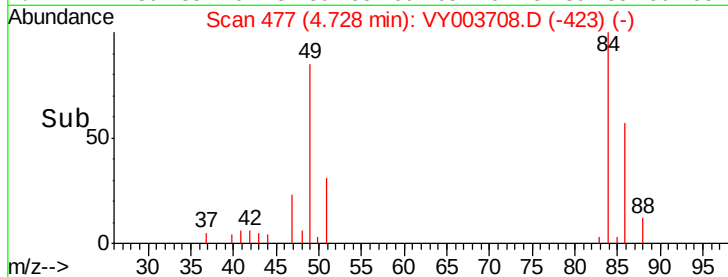
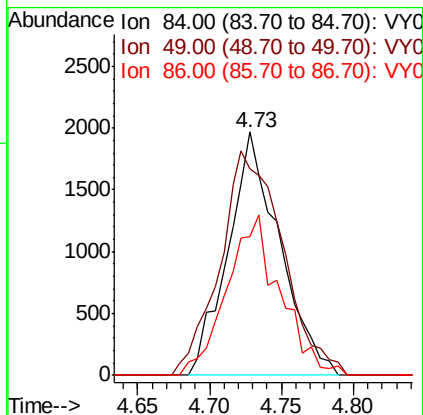
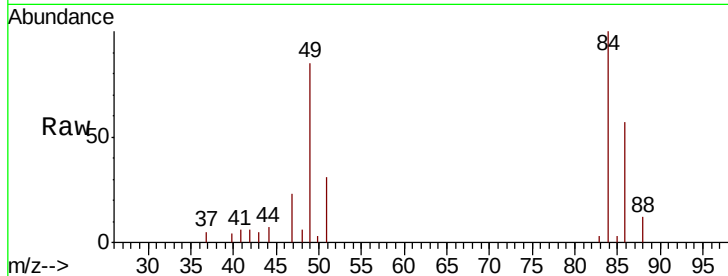




#16
Methvlene chloride
Concen: 1.440 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VY003708.D
Acq: 09 Dec 2020 18:05

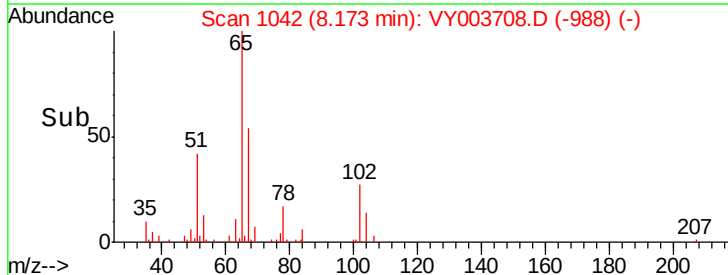
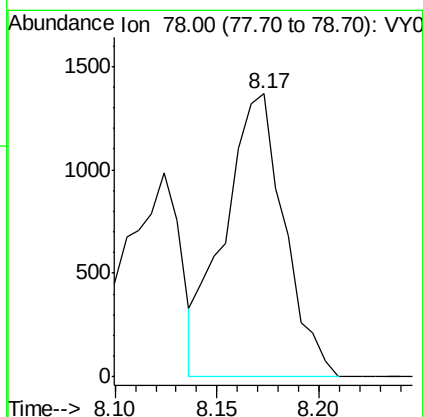
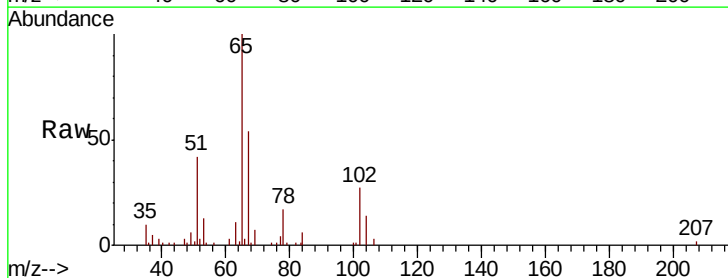
Instrument :
MSVOA_Y
ClientSampled :
GB1G1

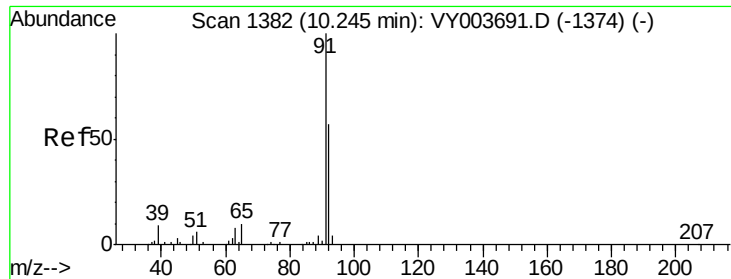
Tot Ion: 84 Resp: 4904
Ion Ratio Lower Upper
84 100
49 84.9 83.7 155.4
86 56.9 45.0 83.6



#34
Benzene
Concen: 0.266 ug/L
RT: 8.17 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VY003708.D
Acq: 09 Dec 2020 18:05

Tgt Ion: 78 Resp: 2785





#44

Toluene

Concen: 0.832 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003708.D

Acq: 09 Dec 2020 18:05

Instrument :

MSVOA_Y

ClientSampleId :

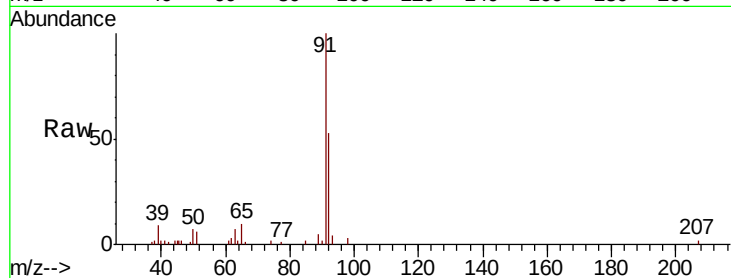
GB1G1

Tot Ion: 91 Resp: 9207

Ion Ratio Lower Upper

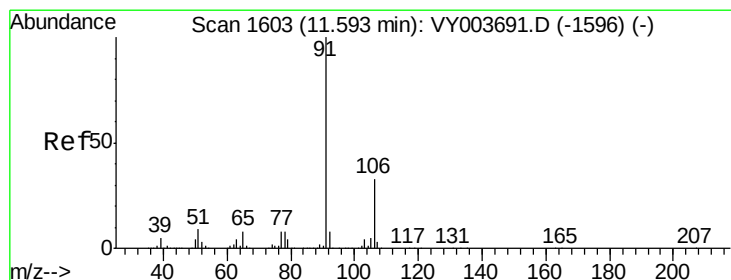
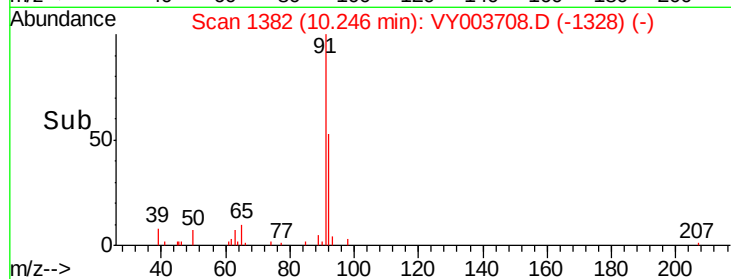
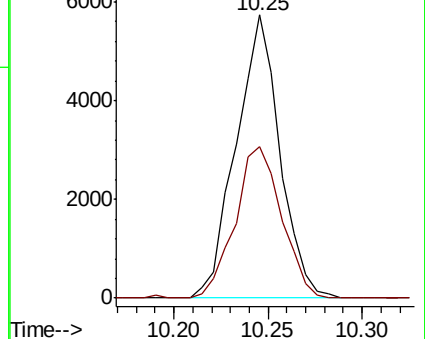
91 100

92 53.3 39.8 73.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 92.00 (91.70 to 92.70): VY0



#53

Ethylbenzene

Concen: 0.623 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY003708.D

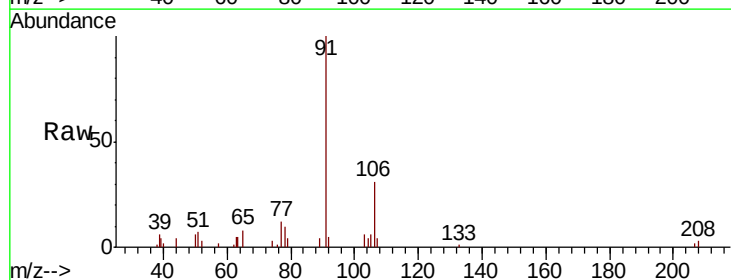
Acq: 09 Dec 2020 18:05

Tgt Ion: 91 Resp: 7527

Ion Ratio Lower Upper

91 100

106 31.1 23.3 43.3



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 106.00 (105.70 to 106.70): V

