

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120920\
 Data File : VY003705.D
 Acq On : 09 Dec 2020 16:56
 Operator : SY/MD
 Sample : L4979-09
 Misc : 6.19G/10ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1F9

Quant Time: Dec 10 03:51:13 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	192920	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	183711	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	81667	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	51524	18.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.56%
7) Chloroethane-d5	2.77	69	43773	21.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.08%
10) 1,1-Dichloroethene-d2	3.86	63	83170	16.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	64.80%
20) 2-Butanone-d5	6.90	46	49353	50.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.48%
24) Chloroform-d	7.49	84	115198	23.20	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	8.15	65	67510	24.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.68%
29) Benzene-d6	8.12	84	246229	23.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.60%
33) 1,2-Dichloropropane-d6	9.12	67	74478	23.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.64%
37) Toluene-d8	10.18	98	224784	23.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.32%
38) trans-1,3-Dichloropropene-	10.44	79	35843	23.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.32%
39) 2-Hexanone-d5	10.79	63	40809	51.75	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.50%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	74886	26.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.80%
61) 1,2-Dichlorobenzene-d4	13.72	152	76437	25.76	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.04%

Target Compounds

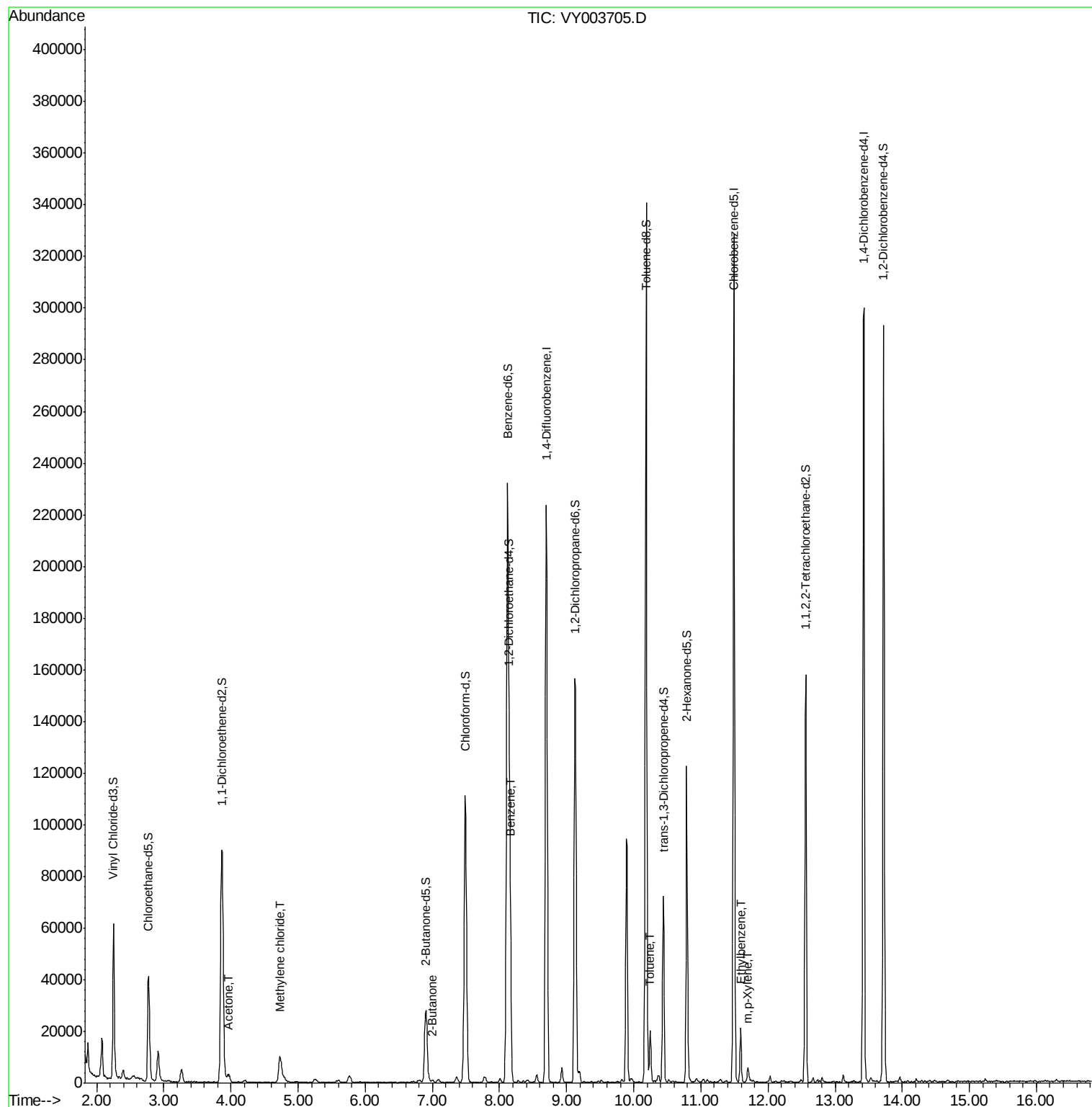
					Ovalue
13) Acetone	3.97	43	5009	7.026 ug/L	95
16) Methylene chloride	4.73	84	7499	2.214 ug/L	91
21) 2-Butanone	7.00	43	1203	0.956 ug/L #	57
34) Benzene	8.17	78	4121	0.392 ug/L	100
44) Toluene	10.25	91	14908	1.345 ug/L	94
53) Ethylbenzene	11.59	91	14193	1.173 ug/L	96
54) m,p-Xylene	11.70	106	1637	0.351 ug/L	87

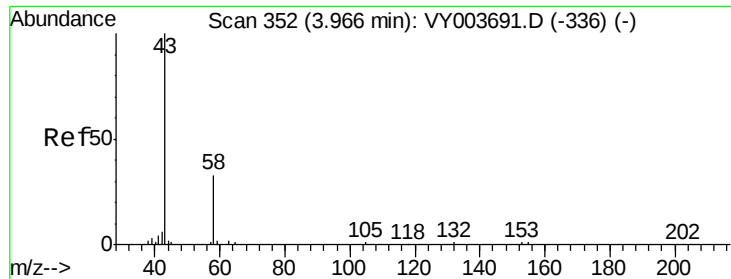
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 7.026 ug/L

RT: 3.97 min Scan# 352

Delta R.T. 0.00 min

Lab File: VY003705.D

Acq: 09 Dec 2020 16:56

Instrument :

MSVOA_Y

ClientSampleId :

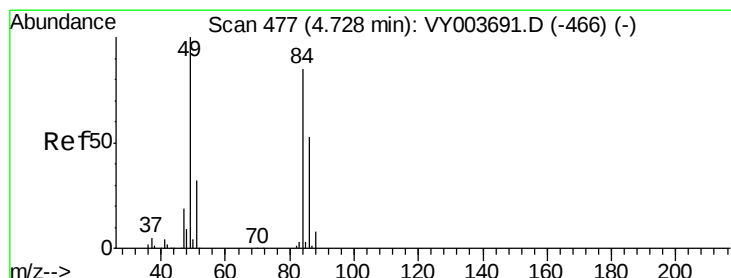
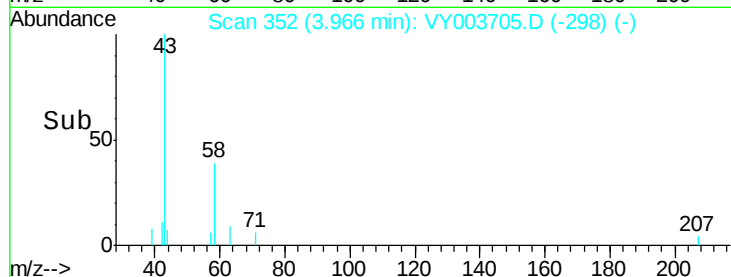
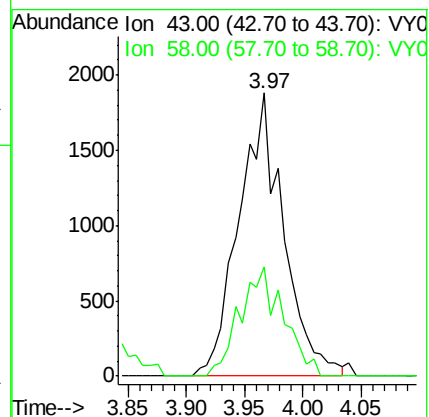
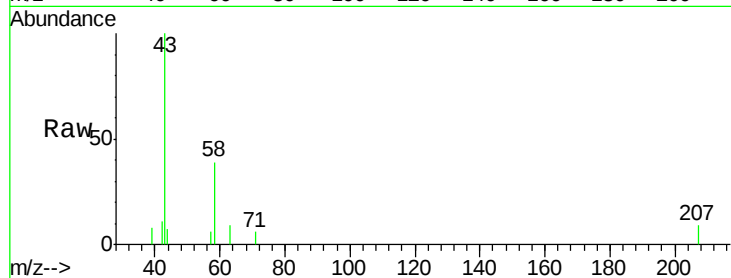
GB1F9

Tot Ion: 43 Resp: 5009

Ion Ratio Lower Upper

43 100

58 37.5 0.0 68.8



#16

Methylene chloride

Concen: 2.214 ug/L

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VY003705.D

Acq: 09 Dec 2020 16:56

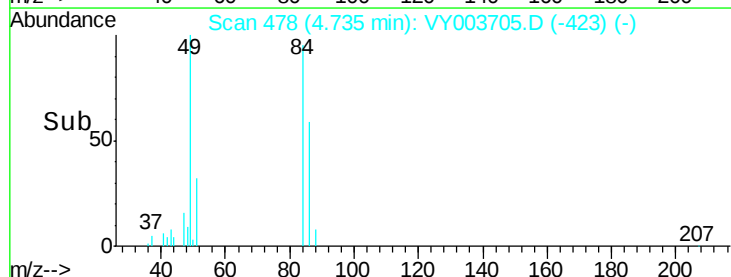
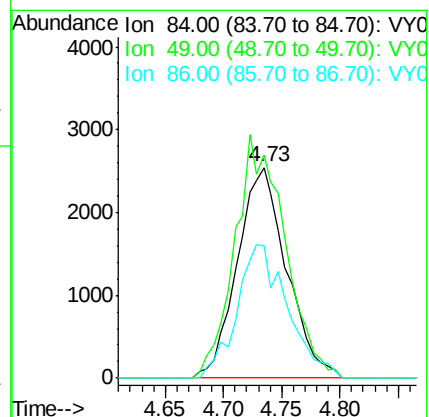
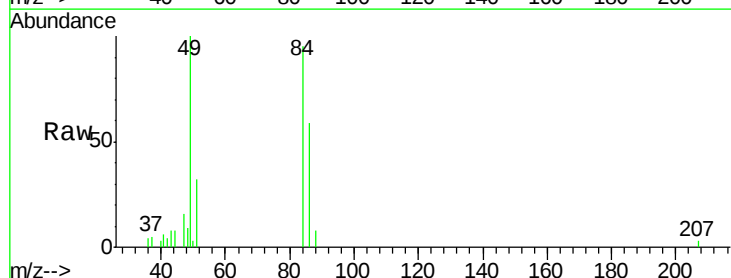
Tgt Ion: 84 Resp: 7499

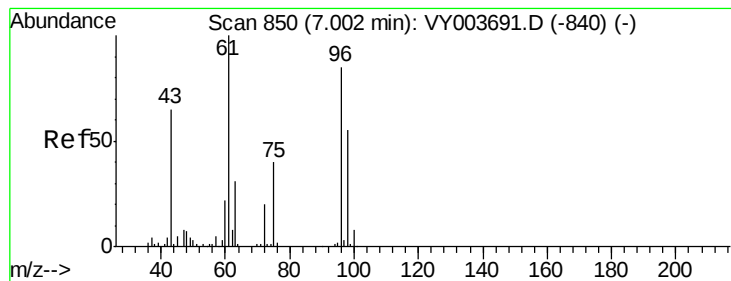
Ion Ratio Lower Upper

84 100

49 105.7 83.7 155.4

86 62.5 45.0 83.6





#21

2-Butanone

Concen: 0.956 ug/L

RT: 7.00 min Scan# 850

Delta R.T. 0.00 min

Lab File: VY003705.D

Acq: 09 Dec 2020 16:56

Instrument :

MSVOA_Y

ClientSampled :

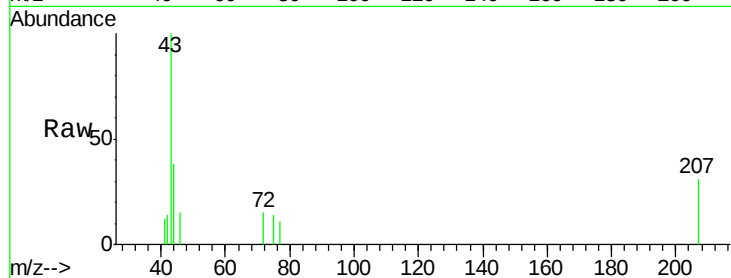
GB1F9

Tot Ion: 43 Resp: 1203

Ion Ratio Lower Upper

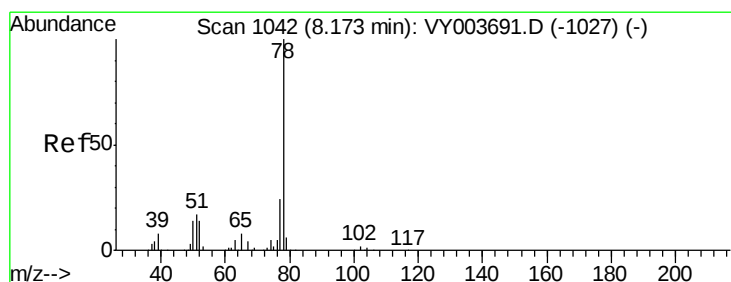
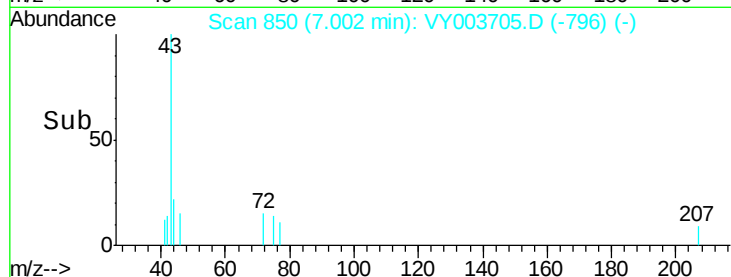
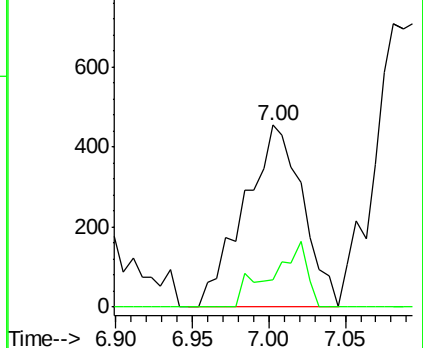
43 100

72 4.4 13.3 39.9#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#34

Benzene

Concen: 0.392 ug/L

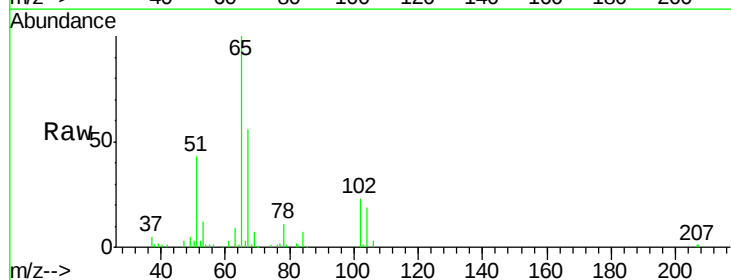
RT: 8.17 min Scan# 1041

Delta R.T. -0.01 min

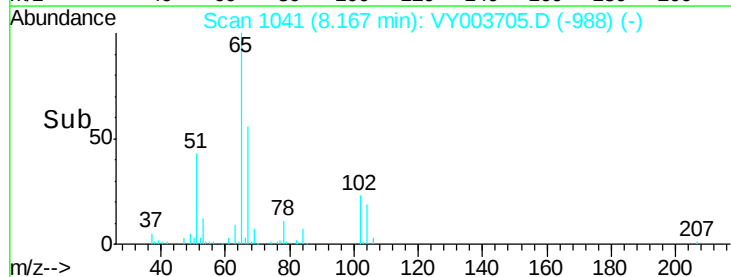
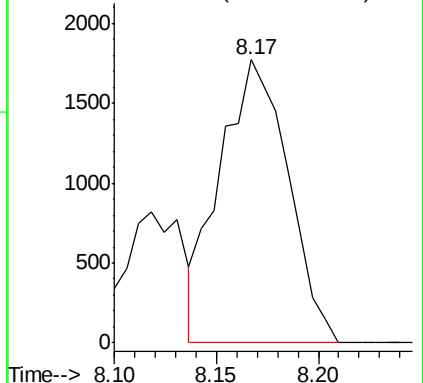
Lab File: VY003705.D

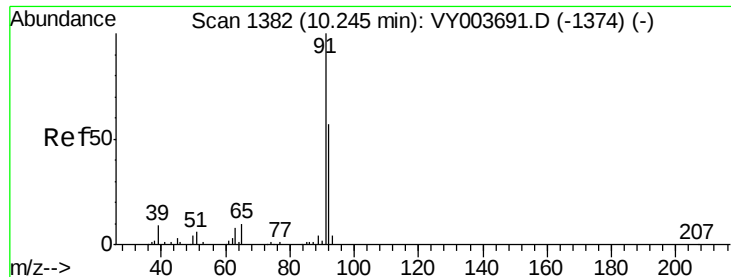
Acq: 09 Dec 2020 16:56

Tgt Ion: 78 Resp: 4121



Abundance Ion 78.00 (77.70 to 78.70): VY0





#44

Toluene

Concen: 1.345 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003705.D

Acq: 09 Dec 2020 16:56

Instrument :

MSVOA_Y

ClientSampleId :

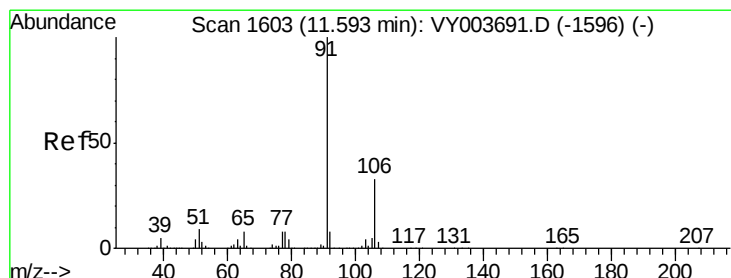
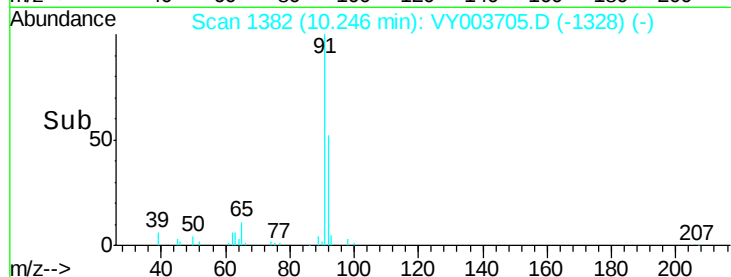
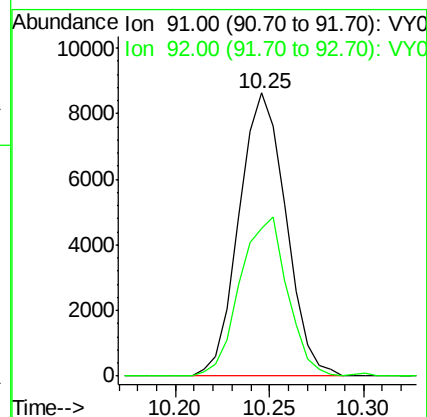
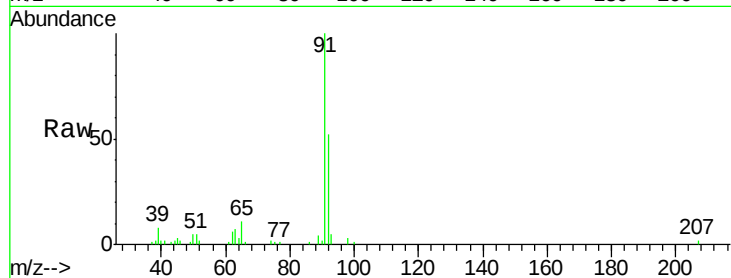
GB1F9

Tot Ion: 91 Resp: 14908

Ion Ratio Lower Upper

91 100

92 52.1 39.8 73.8



#53

Ethylbenzene

Concen: 1.173 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY003705.D

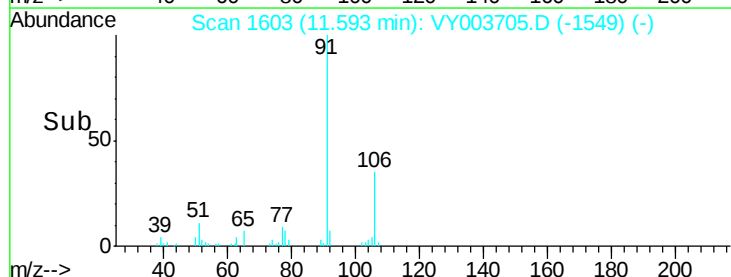
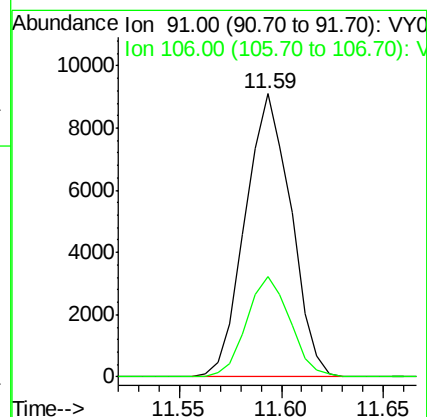
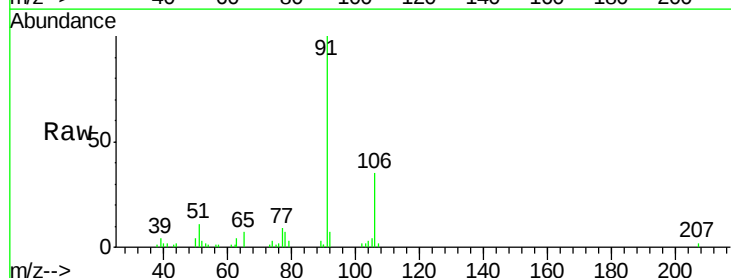
Acq: 09 Dec 2020 16:56

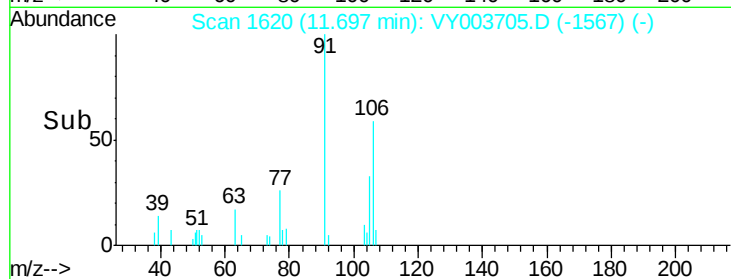
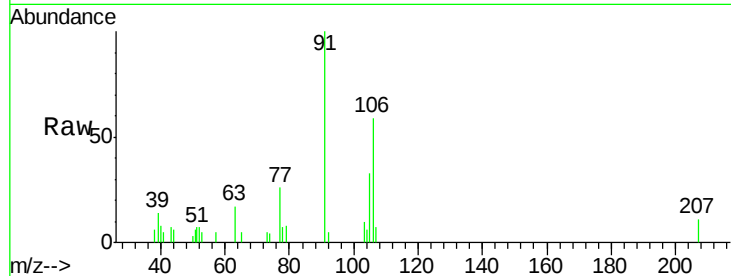
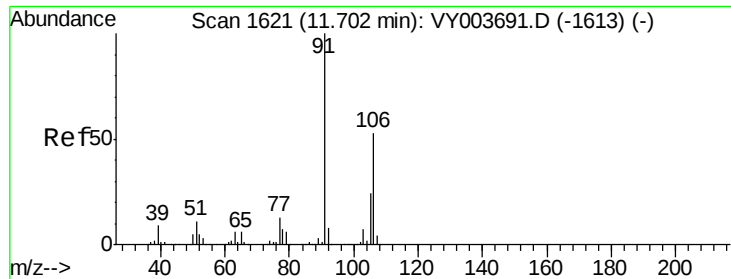
Tgt Ion: 91 Resp: 14193

Ion Ratio Lower Upper

91 100

106 35.4 23.3 43.3





#54

m,p-Xylene

Concen: 0.351 ug/L

RT: 11.70 min Scan# 1620

Delta R.T. -0.01 min

Lab File: VY003705.D

Acq: 09 Dec 2020 16:56

Instrument :

MSVOA_Y

ClientSampleId :

GB1F9

Tot Ion:106 Resp: 1637

Ion Ratio Lower Upper

106 100

91 169.2 131.3 243.9

