

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120920\
 Data File : VY003696.D
 Acq On : 09 Dec 2020 13:32
 Operator : SY/MD
 Sample : L4979-08MSD
 Misc : 4.73G/10ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GB1F8

Quant Time: Dec 10 03:12:01 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	158576	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	104507	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.43	152	22396	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	46687	20.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.28%
7) Chloroethane-d5	2.77	69	39505	23.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.40%
10) 1,1-Dichloroethene-d2	3.87	63	90865	21.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.12%
20) 2-Butanone-d5	6.90	46	37285	46.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.28%
24) Chloroform-d	7.49	84	88248	21.63	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.52%
26) 1,2-Dichloroethane-d4	8.15	65	51228	22.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.24%
29) Benzene-d6	8.12	84	184171	30.44	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	121.76%
33) 1,2-Dichloropropane-d6	9.13	67	54371	30.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	121.48%#
37) Toluene-d8	10.18	98	135809	25.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.16%
38) trans-1,3-Dichloropropene-	10.44	79	21733	25.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.60%
39) 2-Hexanone-d5	10.79	63	25421	56.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.34%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	29114	18.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	73.00%
61) 1,2-Dichlorobenzene-d4	13.72	152	15703	19.30	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	77.20%

Target Compounds

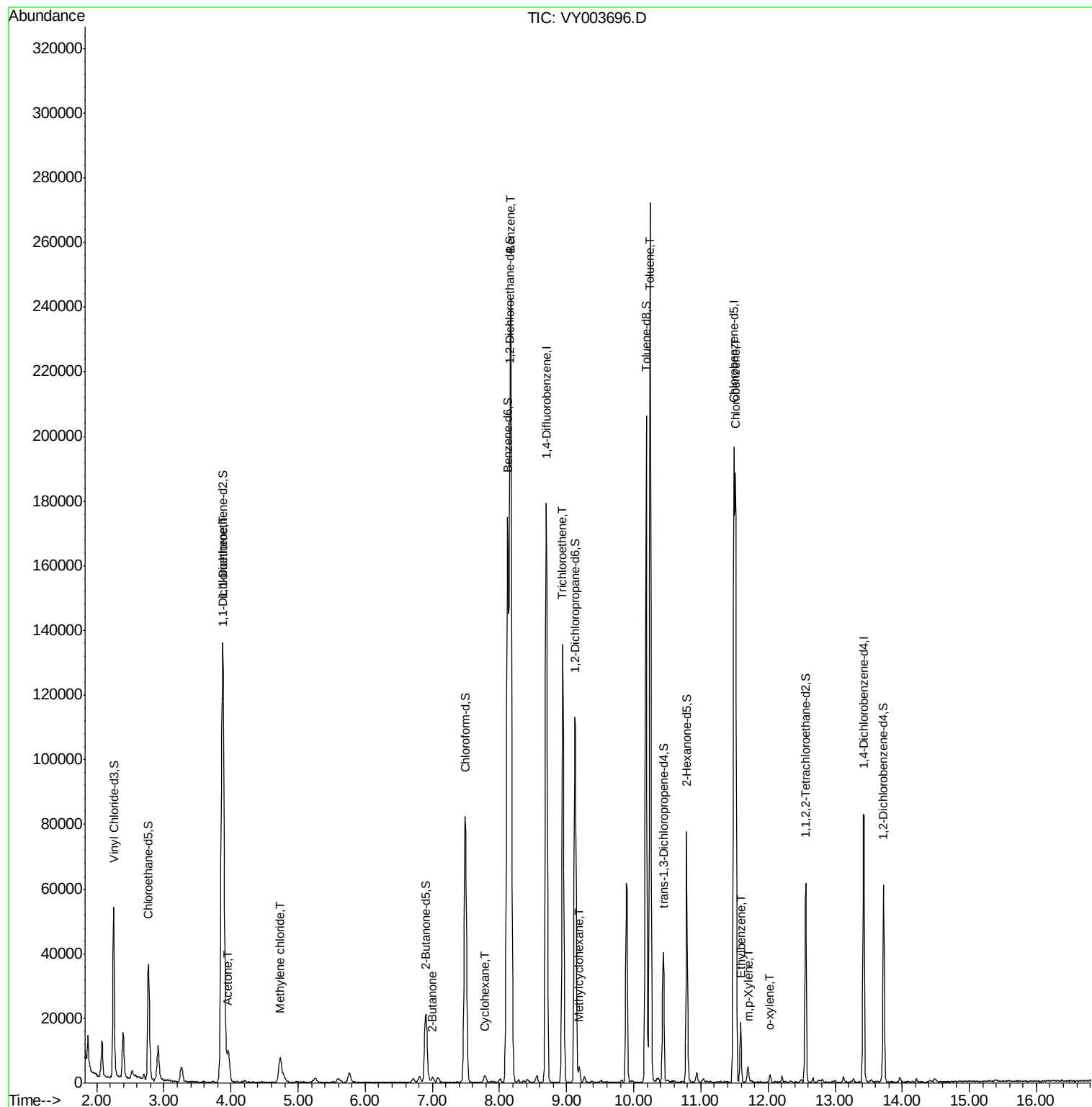
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	3.89	96	51911	27.354	ug/L	88
13) Acetone	3.96	43	14312	24.422	ug/L	98
16) Methylene chloride	4.73	84	5438	1.953	ug/L	90
21) 2-Butanone	7.00	43	2426	2.344	ug/L	75
30) Cyclohexane	7.78	56	1013	0.450	ug/L #	90
34) Benzene	8.17	78	212328	35.516	ug/L	100
35) Trichloroethene	8.94	95	44017	26.818	ug/L	98
36) Methylcyclohexane	9.19	83	1479	0.588	ug/L #	82
44) Toluene	10.25	91	195812	31.050	ug/L	99
52) Chlorobenzene	11.52	112	93570	22.546	ug/L	97
53) Ethylbenzene	11.59	91	12602	1.831	ug/L	95
54) m,p-Xylene	11.70	106	1702	0.641	ug/L	86
55) o-xylene	12.03	106	690	0.271	ug/L	80

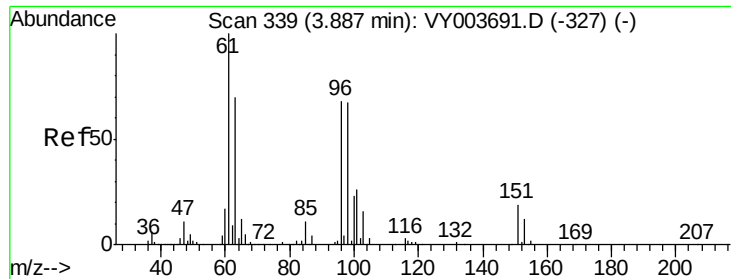
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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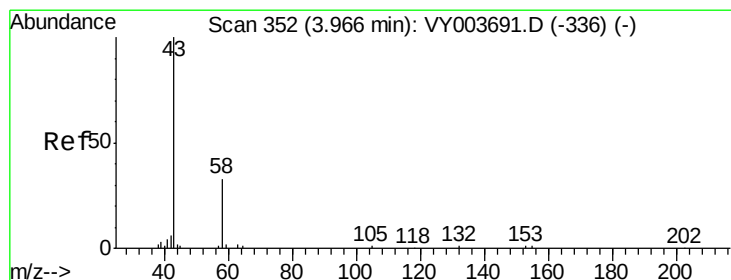
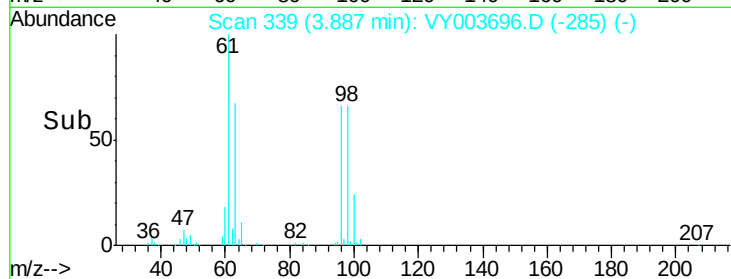
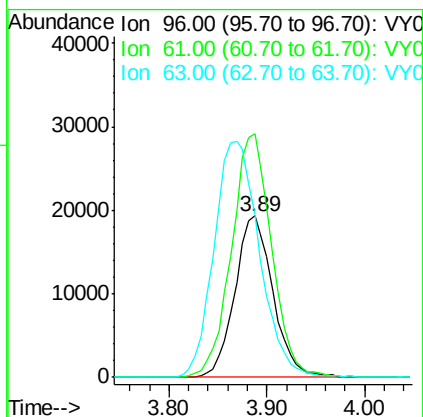
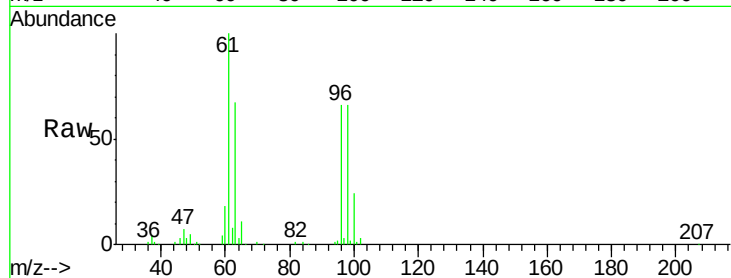




#12
 1,1-Dichloroethene
 Concen: 27.354 ug/L
 RT: 3.89 min Scan# 339
 Delta R.T. 0.00 min
 Lab File: VY003696.D
 Acq: 09 Dec 2020 13:32

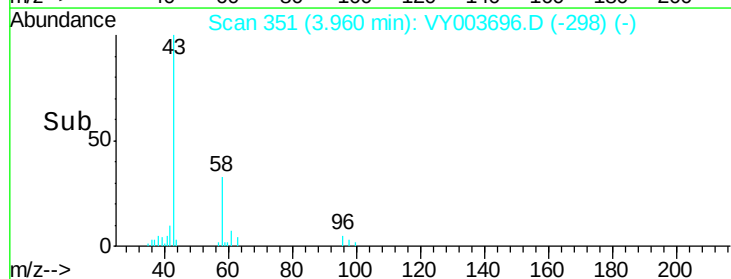
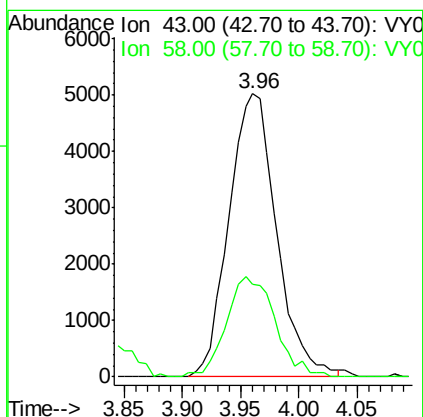
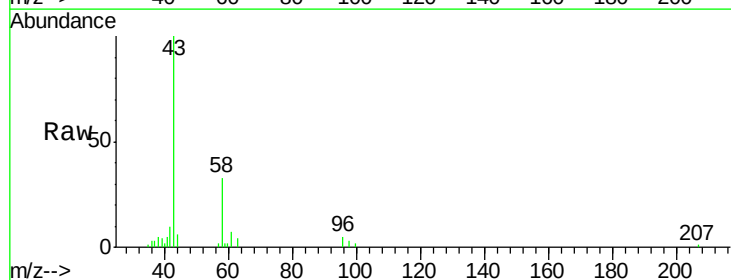
Instrument :
 MSVOA_Y
 ClientSampled :
 GB1F8

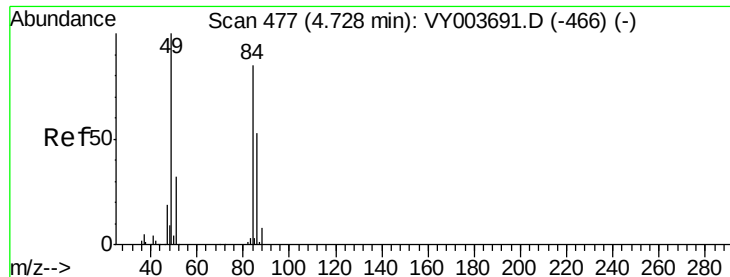
Tot Ion: 96 Resp: 51911
 Ion Ratio Lower Upper
 96 100
 61 150.7 108.5 201.5
 63 100.7 87.8 163.0



#13
 Acetone
 Concen: 24.422 ug/L
 RT: 3.96 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VY003696.D
 Acq: 09 Dec 2020 13:32

Tgt Ion: 43 Resp: 14312
 Ion Ratio Lower Upper
 43 100
 58 35.8 0.0 68.8

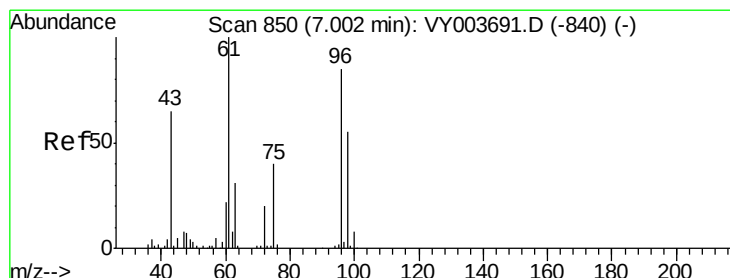
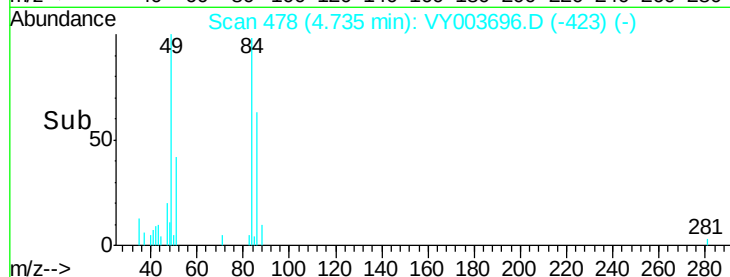
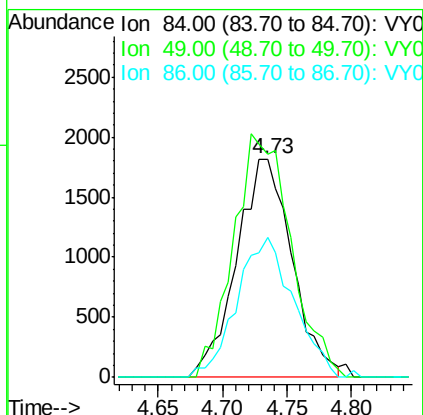
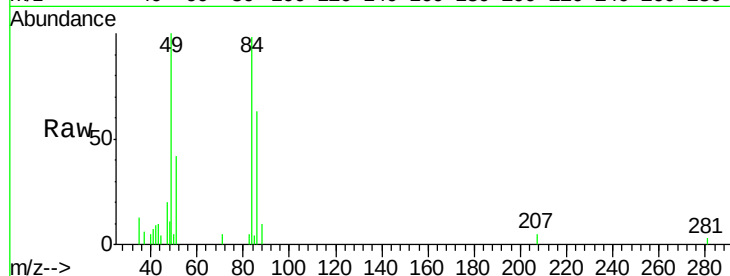




#16
Methylene chloride
Concen: 1.953 ug/L
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VY003696.D
Acq: 09 Dec 2020 13:32

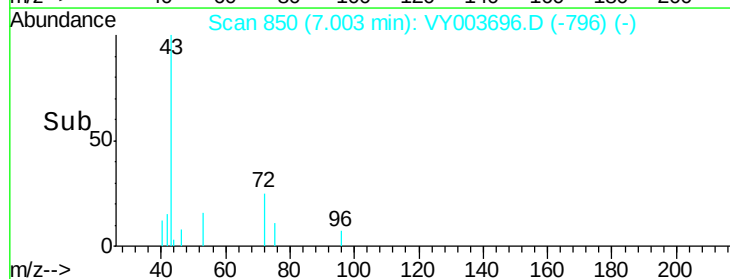
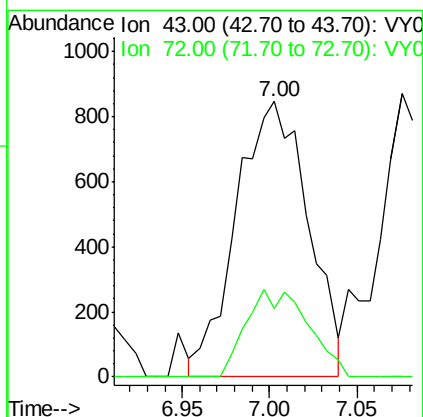
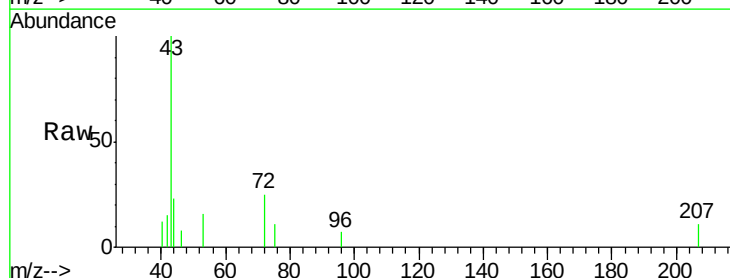
Instrument :
MSVOA_Y
ClientSampled :
GB1F8

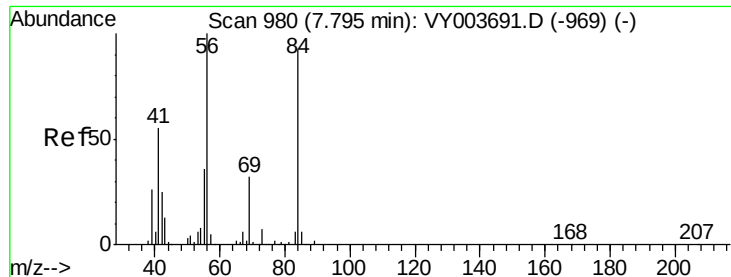
Tot Ion: 84 Resp: 5438
Ion Ratio Lower Upper
84 100
49 102.0 83.7 155.4
86 64.1 45.0 83.6



#21
2-Butanone
Concen: 2.344 ug/L
RT: 7.00 min Scan# 850
Delta R.T. 0.00 min
Lab File: VY003696.D
Acq: 09 Dec 2020 13:32

Tgt Ion: 43 Resp: 2426
Ion Ratio Lower Upper
43 100
72 13.6 13.3 39.9

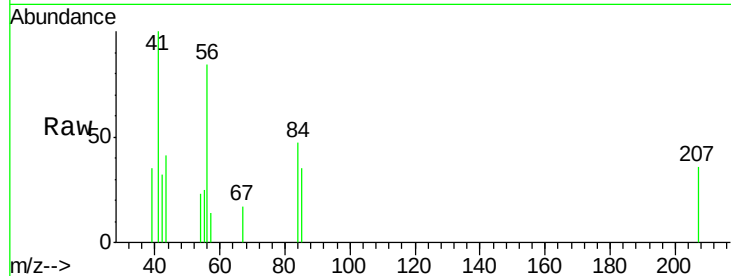




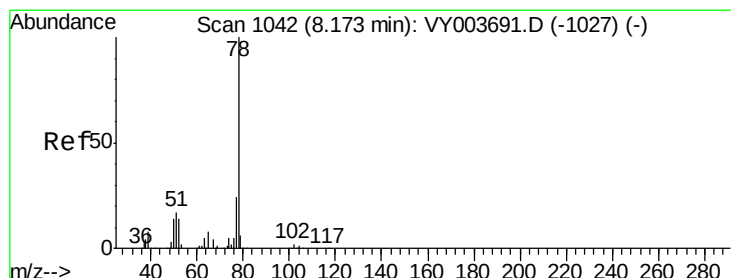
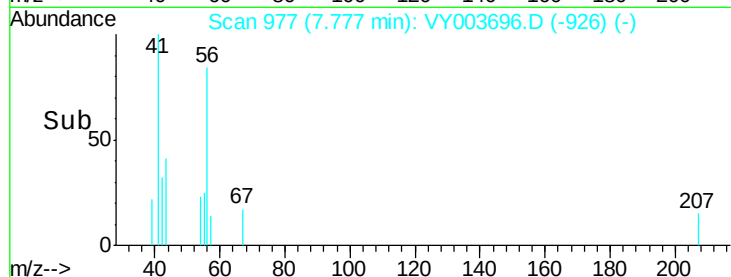
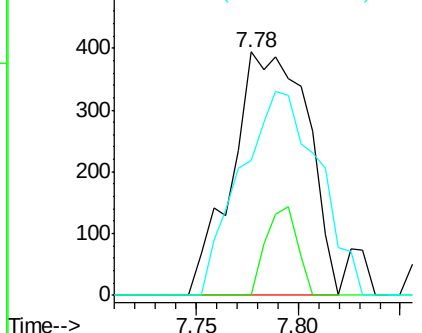
#30
Cyclohexane
Concen: 0.450 ug/L
RT: 7.78 min Scan# 977
Delta R.T. -0.02 min
Lab File: VY003696.D
Acq: 09 Dec 2020 13:32

Instrument :
MSVOA_Y
ClientSampleId :
GB1F8

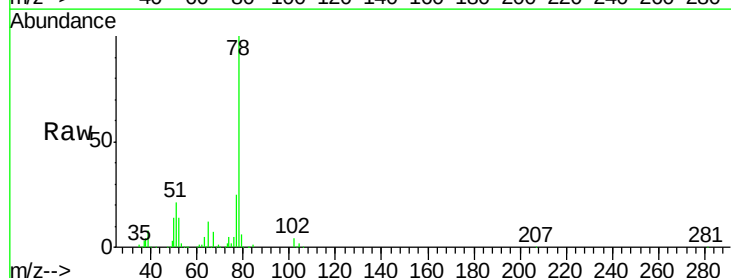
Tot Ion: 56 Resp: 1013
Ion Ratio Lower Upper
56 100
69 15.2 23.8 35.8#
84 87.2 73.2 109.8



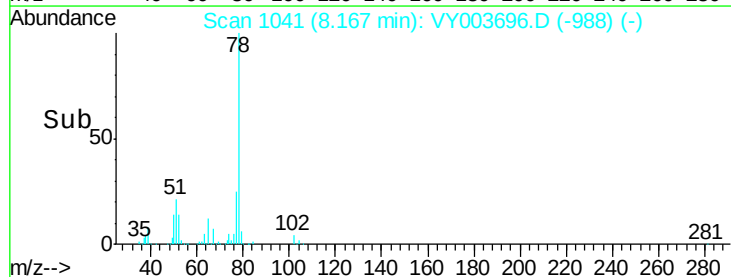
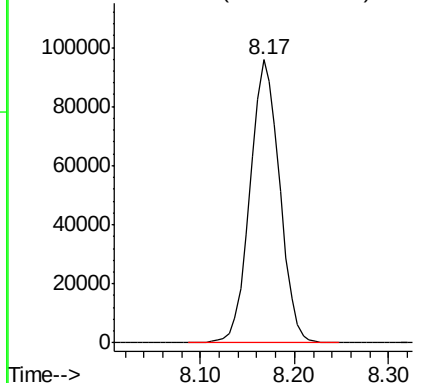
Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

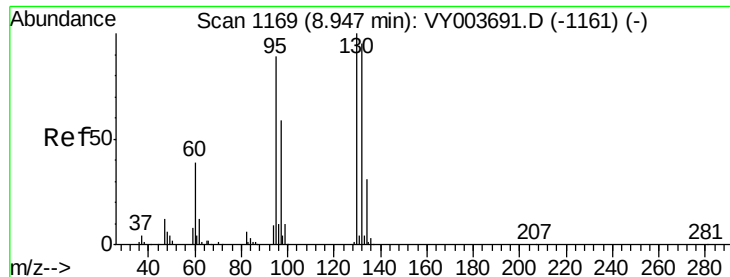


#34
Benzene
Concen: 35.516 ug/L
RT: 8.17 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VY003696.D
Acq: 09 Dec 2020 13:32
Tgt Ion: 78 Resp: 212328



Abundance Ion 78.00 (77.70 to 78.70): VY0





#35

Trichloroethene

Concen: 26.818 ug/L

RT: 8.94 min Scan# 1168

Delta R.T. -0.01 min

Lab File: VY003696.D

Acq: 09 Dec 2020 13:32

Instrument :

MSVOA_Y

ClientSampleId :

GB1F8

Tot Ion: 95 Resp: 44017

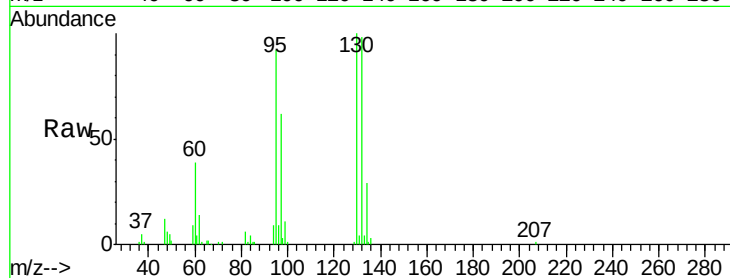
Ion Ratio Lower Upper

95 100

97 66.1 45.8 85.0

132 108.4 74.2 137.8

130 111.7 76.2 141.6

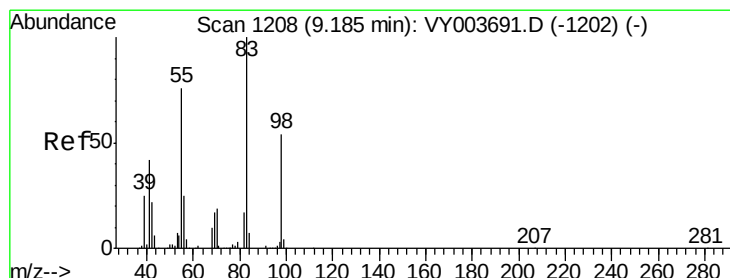
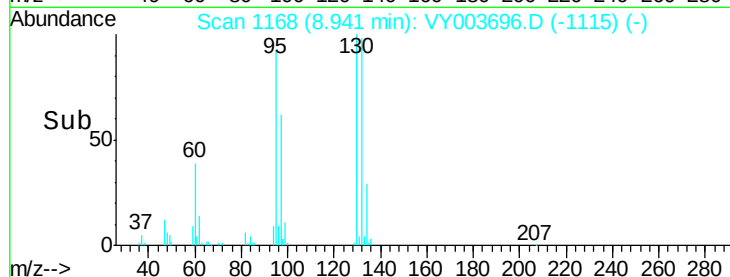
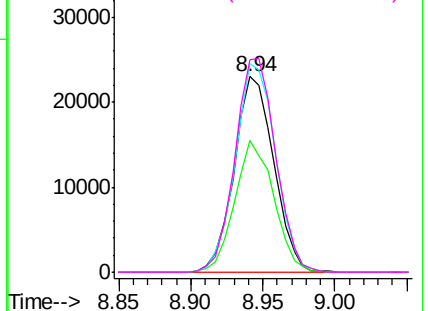


Abundance Ion 95.00 (94.70 to 95.70): VY0

Ion 97.00 (96.70 to 97.70): VY0

Ion 132.00 (131.70 to 132.70): VY0

Ion 130.00 (129.70 to 130.70): VY0



#36

Methylcyclohexane

Concen: 0.588 ug/L

RT: 9.19 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VY003696.D

Acq: 09 Dec 2020 13:32

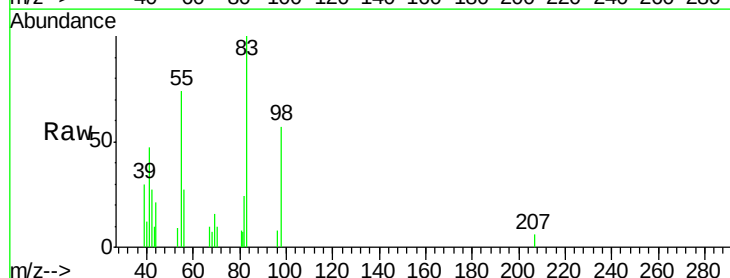
Tgt Ion: 83 Resp: 1479

Ion Ratio Lower Upper

83 100

55 85.7 56.4 84.6#

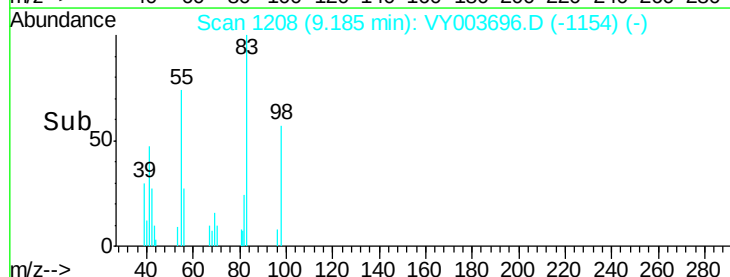
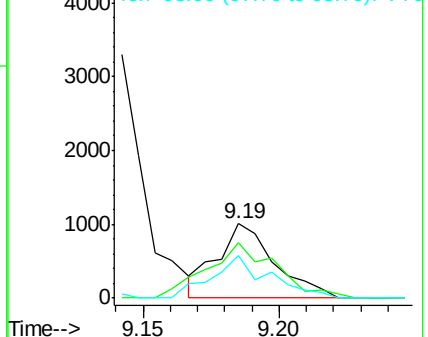
98 38.7 40.3 60.5#

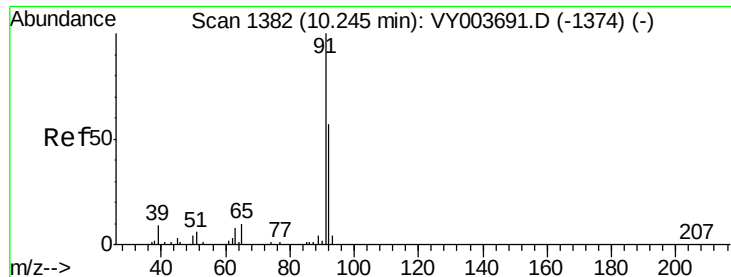


Abundance Ion 83.00 (82.70 to 83.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 98.00 (97.70 to 98.70): VY0





#44

Toluene

Concen: 31.050 ug/L

RT: 10.25 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VY003696.D

Acq: 09 Dec 2020 13:32

Instrument :

MSVOA_Y

ClientSampleId :

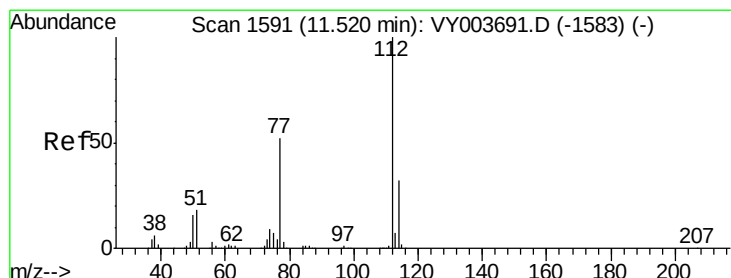
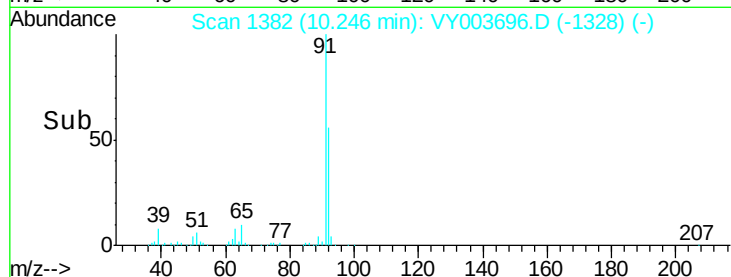
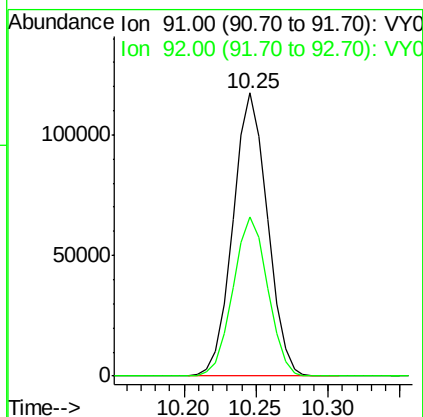
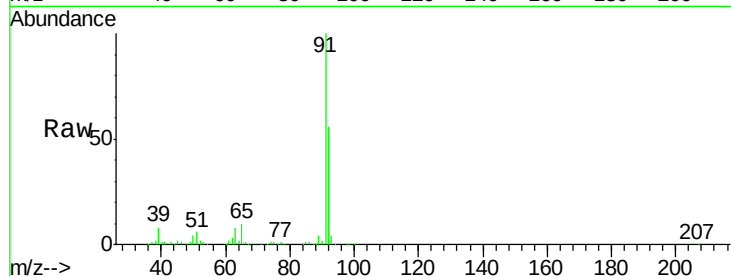
GB1F8

Tot Ion: 91 Resp: 195812

Ion Ratio Lower Upper

91 100

92 56.1 39.8 73.8



#52

Chlorobenzene

Concen: 22.546 ug/L

RT: 11.52 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VY003696.D

Acq: 09 Dec 2020 13:32

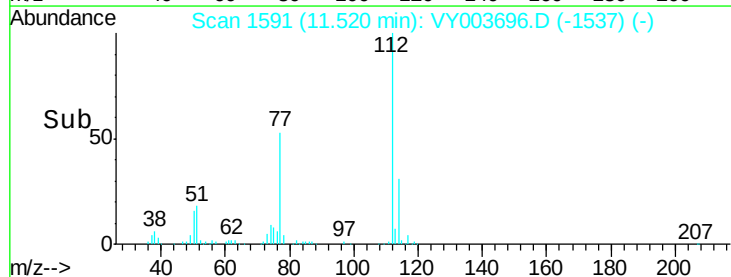
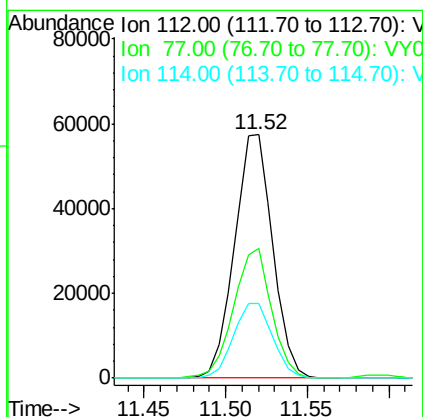
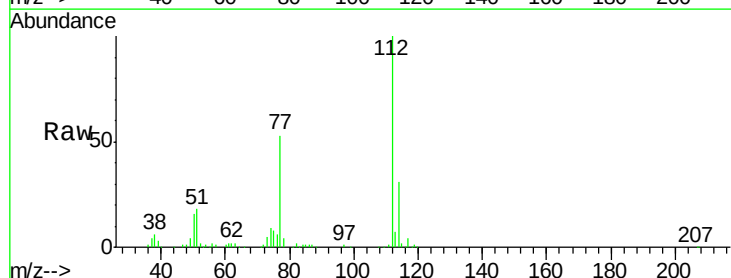
Tgt Ion: 112 Resp: 93570

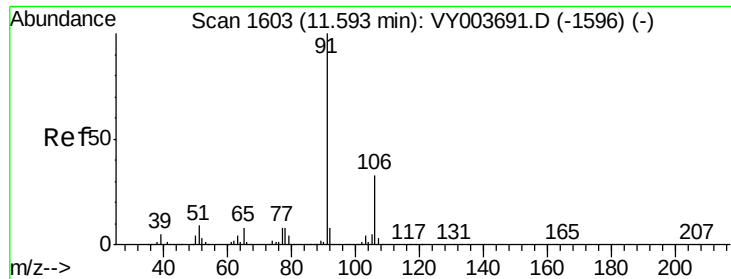
Ion Ratio Lower Upper

112 100

77 53.2 44.4 66.6

114 30.9 22.4 41.6





#53

Ethylbenzene

Concen: 1.831 ug/L

RT: 11.59 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VY003696.D

Acq: 09 Dec 2020 13:32

Instrument :

MSVOA_Y

ClientSampleId :

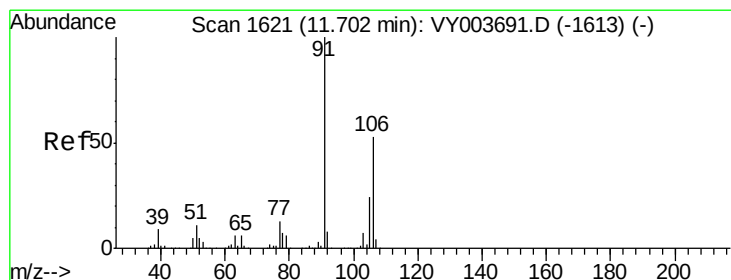
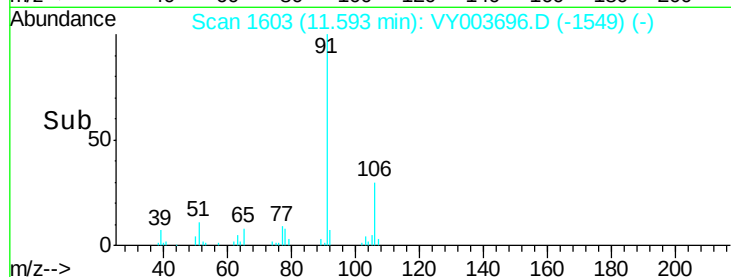
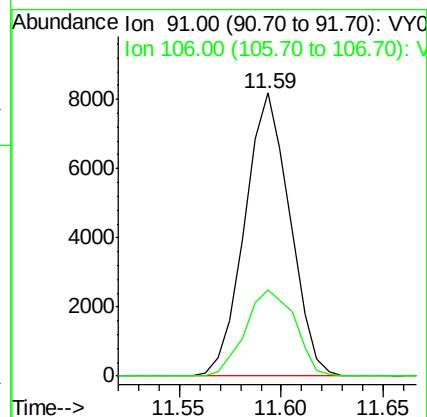
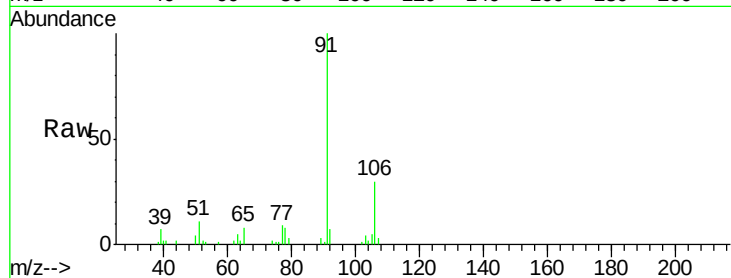
GB1F8

Tot Ion: 91 Resp: 12602

Ion Ratio Lower Upper

91 100

106 30.3 23.3 43.3



#54

m,p-Xylene

Concen: 0.641 ug/L

RT: 11.70 min Scan# 1620

Delta R.T. -0.01 min

Lab File: VY003696.D

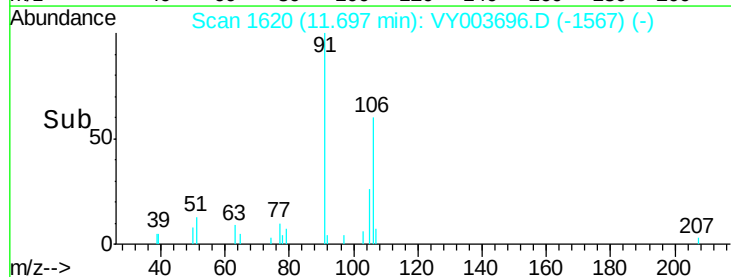
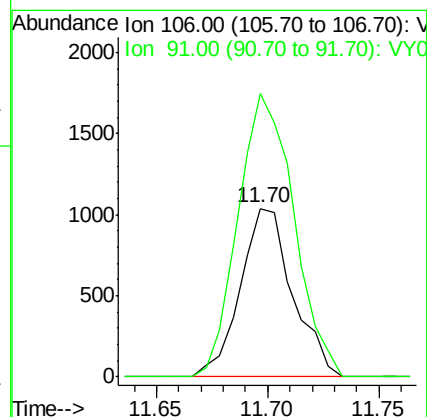
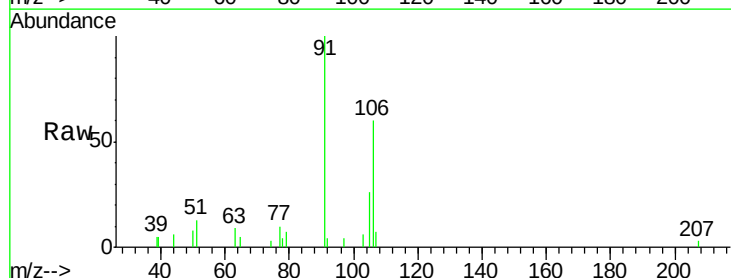
Acq: 09 Dec 2020 13:32

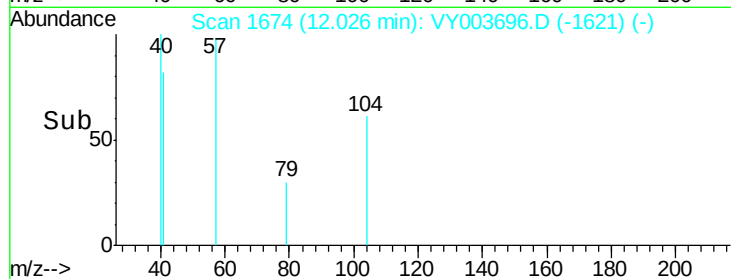
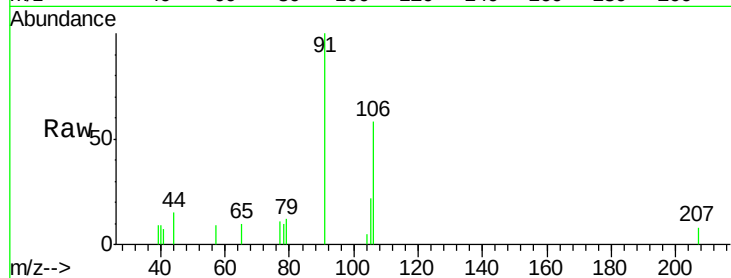
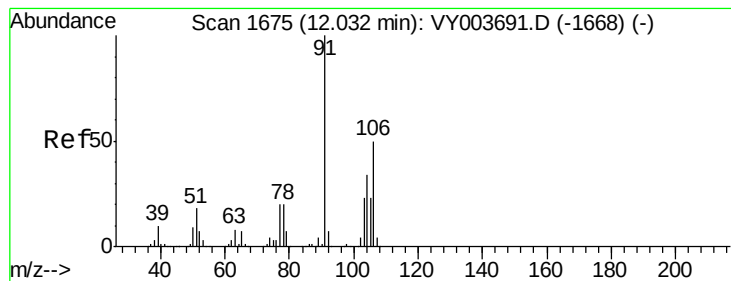
Tgt Ion: 106 Resp: 1702

Ion Ratio Lower Upper

106 100

91 167.8 131.3 243.9





#55

o-xylene

Concen: 0.271 ug/L

RT: 12.03 min Scan# 1674

Delta R.T. -0.01 min

Lab File: VY003696.D

Acq: 09 Dec 2020 13:32

Instrument :

MSVOA_Y

ClientSampleId :

GB1F8

Tot Ion:106 Resp: 690

Ion Ratio Lower Upper

106 100

91 172.2 141.7 263.3

