

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121120\
 Data File : VY003738.D
 Acq On : 11 Dec 2020 19:29
 Operator : SY/MD
 Sample : L5063-07
 Misc : 4.69G/10ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AD9

Quant Time: Dec 12 05:01:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM120420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 11 10:03:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	268367	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	165921	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	35721	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	69360	18.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.12%
7) Chloroethane-d5	2.77	69	67882	23.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.84%
10) 1,1-Dichloroethene-d2	3.86	63	125833	17.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.48%
20) 2-Butanone-d5	6.90	46	81350	60.13	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.26%
24) Chloroform-d	7.49	84	181618	26.30	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.20%
26) 1,2-Dichloroethane-d4	8.15	65	108032	27.80	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.20%
29) Benzene-d6	8.12	84	354949	36.95	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	147.80%#
33) 1,2-Dichloropropane-d6	9.12	67	114575	40.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	161.24%#
37) Toluene-d8	10.18	98	245093	28.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	113.84%
38) trans-1,3-Dichloropropene-	10.44	79	45722	33.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	134.60%
39) 2-Hexanone-d5	10.79	63	60944	85.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	171.16%#
48) 1,1,2,2-Tetrachloroethane-	12.56	84	74163	29.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	117.12%
61) 1,2-Dichlorobenzene-d4	13.72	152	34500	26.58	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.32%

Target Compounds

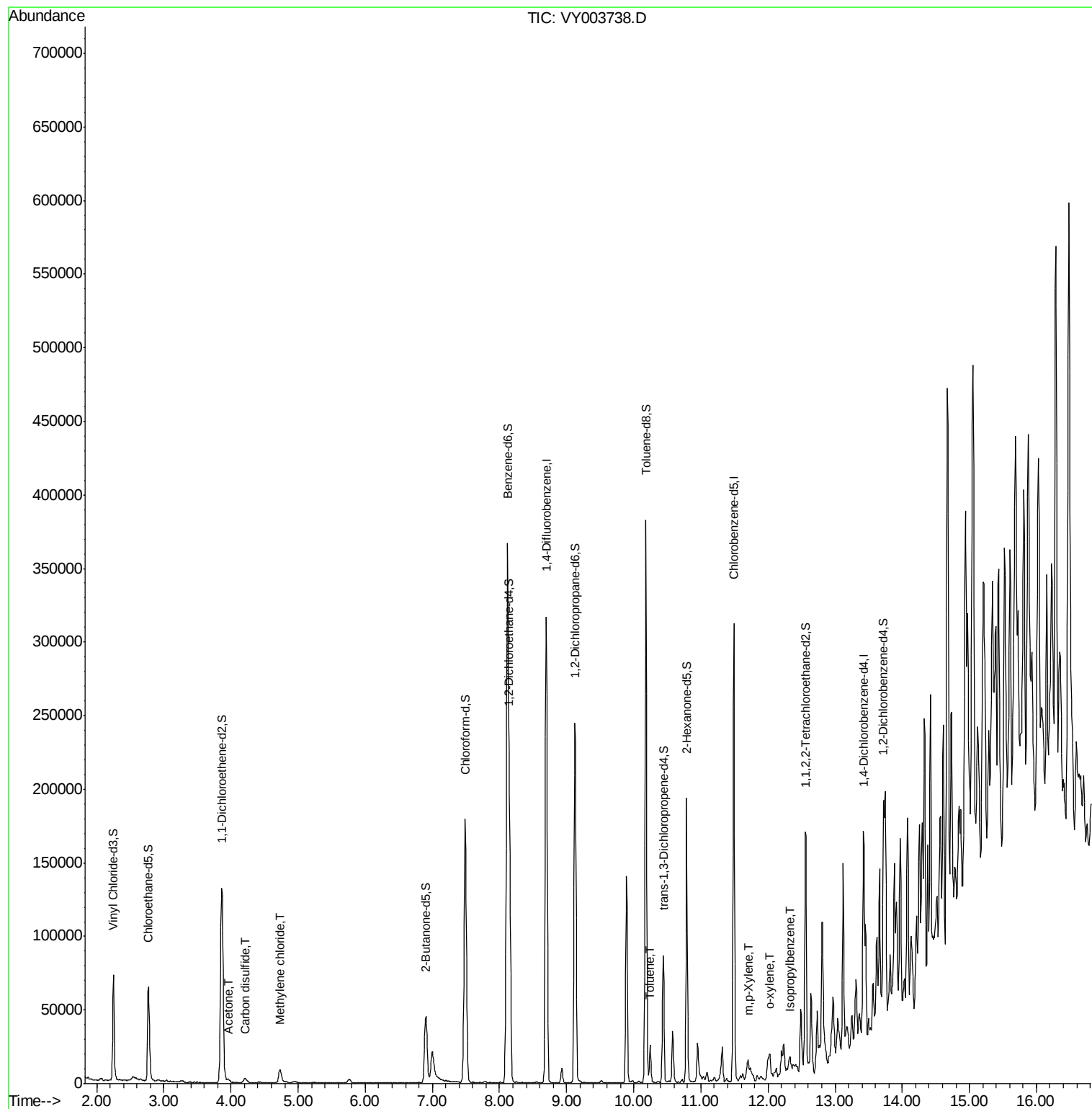
					Ovalue
13) Acetone	3.96	43	4166	4.201 ug/L	95
14) Carbon disulfide	4.21	76	4782	0.447 ug/L	100
16) Methylene chloride	4.73	84	6361	1.350 ug/L	90
44) Toluene	10.25	91	17707	1.769 ug/L	91
54) m,p-Xylene	11.70	106	3150	0.747 ug/L	91
55) o-xylene	12.03	106	3340	0.826 ug/L	91
57) Isopropylbenzene	12.32	105	3023	0.286 ug/L #	86

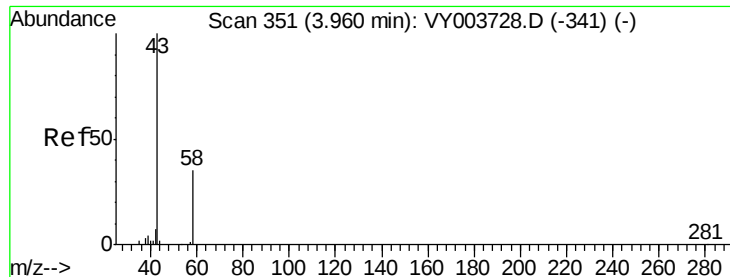
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 11 10:03:37 2020
Response via : Initial Calibration





#13

Acetone

Concen: 4.201 ug/L

RT: 3.96 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY003738.D

Acq: 11 Dec 2020 19:29

Instrument :

MSVOA_Y

ClientSampleId :

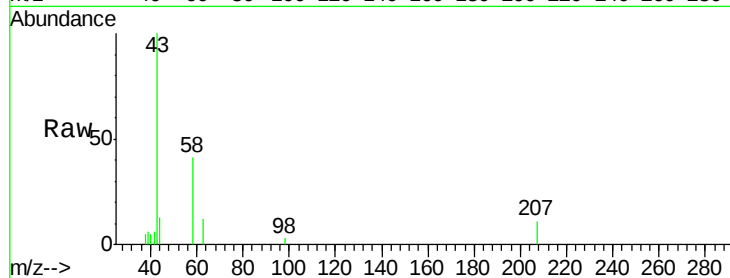
C0AD9

Tot Ion: 43 Resp: 4166

Ion Ratio Lower Upper

43 100

58 31.8 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

3.96

1500

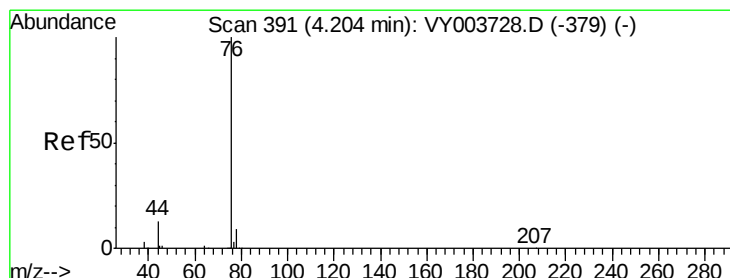
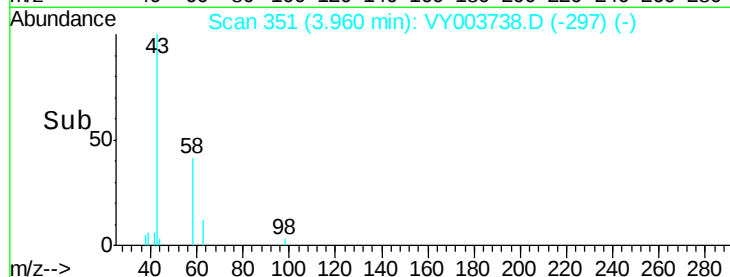
1000

500

0

Time-->

3.90 3.95 4.00 4.05



#14

Carbon disulfide

Concen: 0.447 ug/L

RT: 4.21 min Scan# 392

Delta R.T. 0.00 min

Lab File: VY003738.D

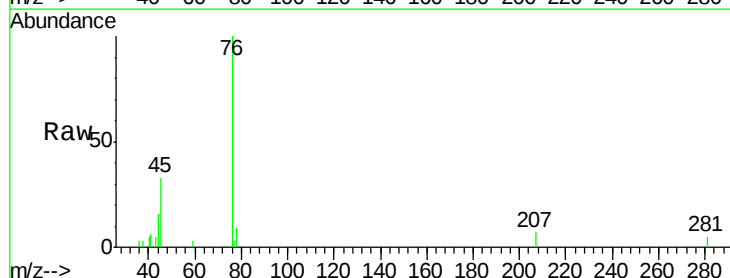
Acq: 11 Dec 2020 19:29

Tgt Ion: 76 Resp: 4782

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0

4.21

2000

1500

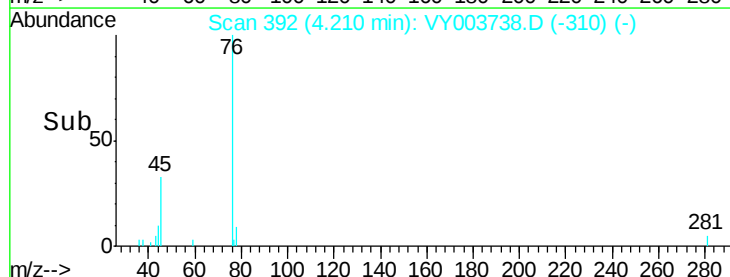
1000

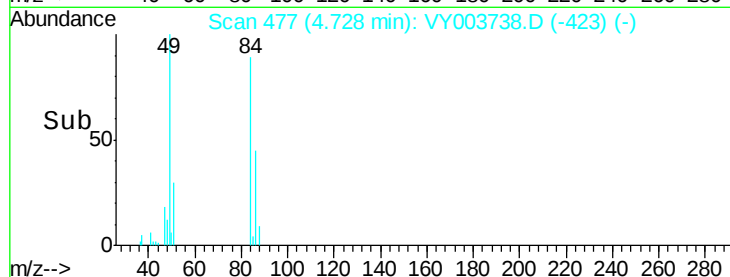
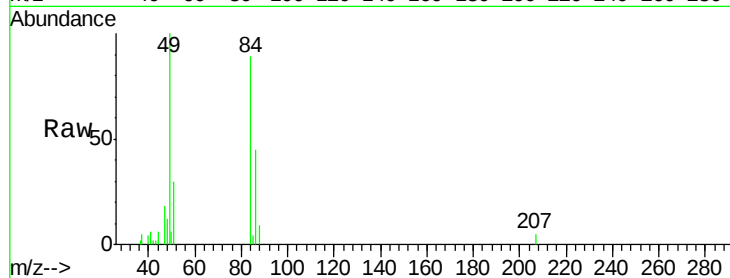
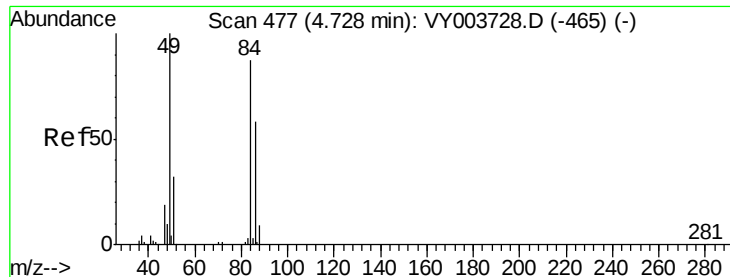
500

0

Time-->

4.15 4.20 4.25

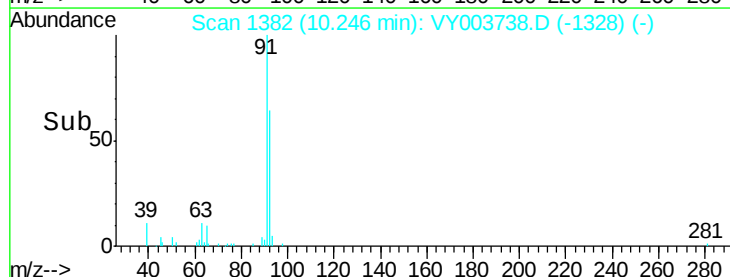
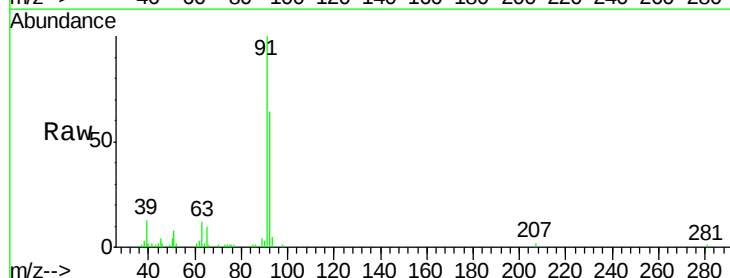
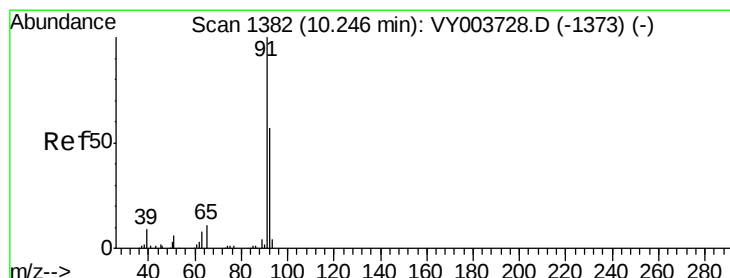
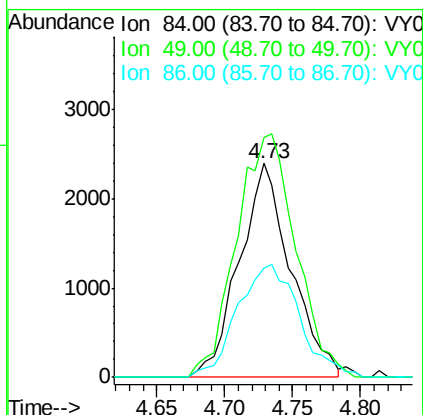




#16
Methvlene chloride
Concen: 1.350 ug/L
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VY003738.D
Acq: 11 Dec 2020 19:29

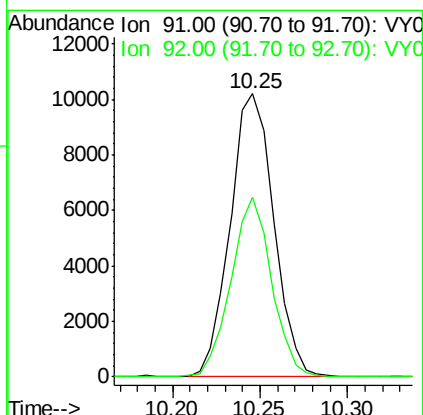
Instrument :
MSVOA_Y
ClientSampleId :
C0AD9

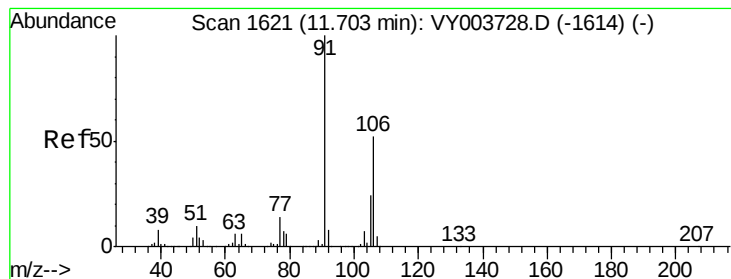
Tot Ion: 84 Resp: 6361
Ion Ratio Lower Upper
84 100
49 111.9 83.7 155.4
86 50.7 45.0 83.6



#44
Toluene
Concen: 1.769 ug/L
RT: 10.25 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VY003738.D
Acq: 11 Dec 2020 19:29

Tgt Ion: 91 Resp: 17707
Ion Ratio Lower Upper
91 100
92 63.5 39.8 73.8





#54

m,p-Xylene

Concen: 0.747 ug/L

RT: 11.70 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VY003738.D

Acq: 11 Dec 2020 19:29

Instrument :

MSVOA_Y

ClientSampleId :

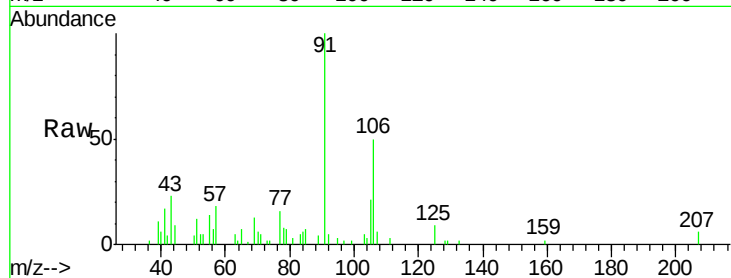
C0AD9

Tot Ion:106 Resp: 3150

Ion Ratio Lower Upper

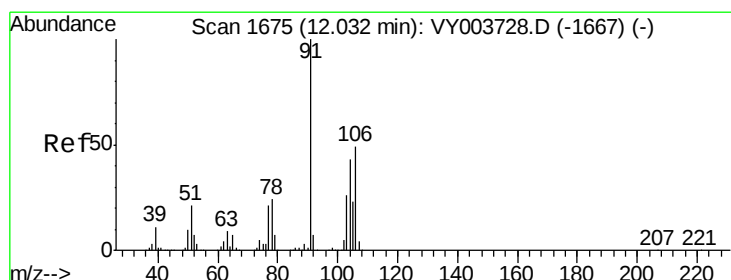
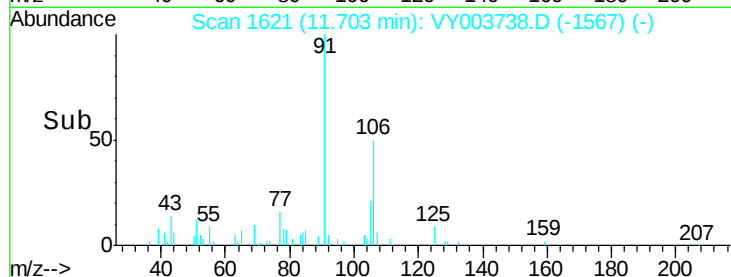
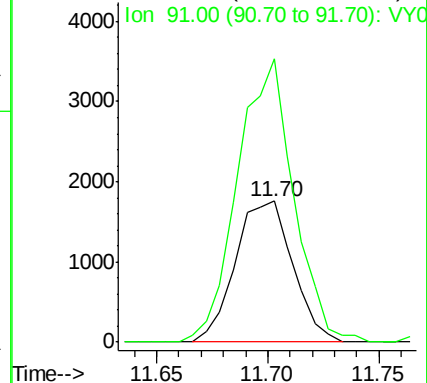
106 100

91 201.1 131.3 243.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#55

o-xylene

Concen: 0.826 ug/L

RT: 12.03 min Scan# 1674

Delta R.T. -0.01 min

Lab File: VY003738.D

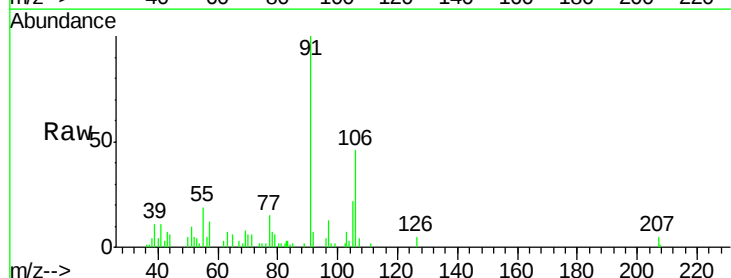
Acq: 11 Dec 2020 19:29

Tgt Ion:106 Resp: 3340

Ion Ratio Lower Upper

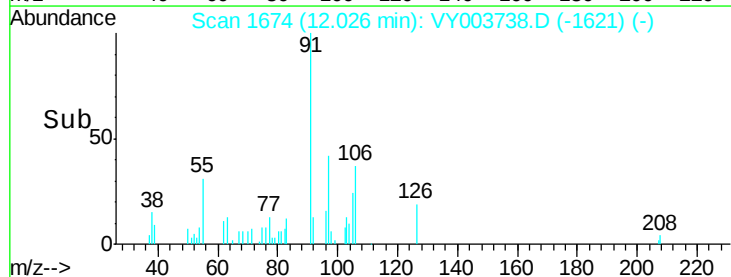
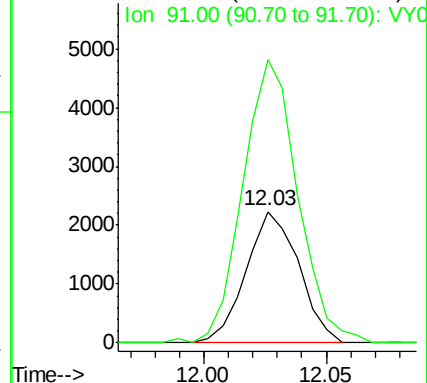
106 100

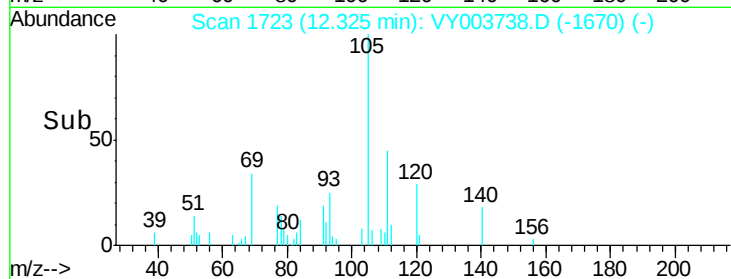
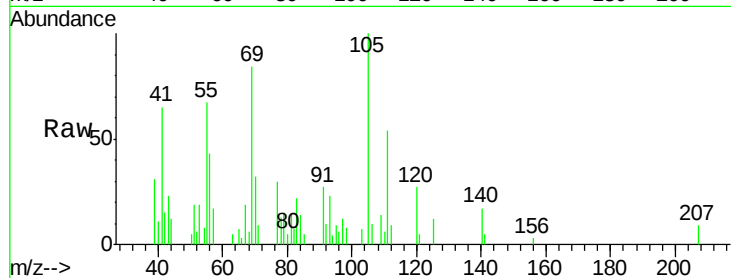
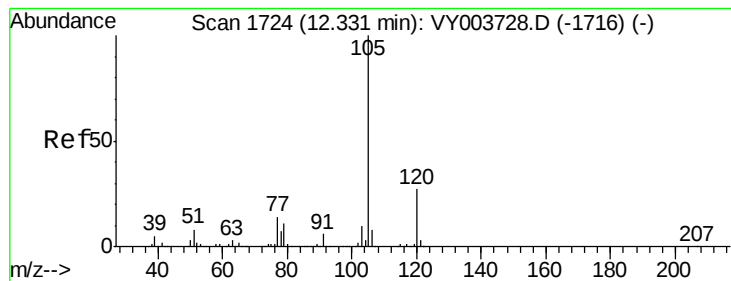
91 215.9 141.7 263.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0





#57

Isopropylbenzene

Concen: 0.286 ug/L

RT: 12.32 min Scan# 1723

Delta R.T. -0.01 min

Lab File: VY003738.D

Acq: 11 Dec 2020 19:29

Instrument :

MSVOA_Y

ClientSampleId :

C0AD9

Tot Ion:105 Resp: 3023

Ion Ratio Lower Upper

105 100

120 23.9 22.3 33.5

77 25.6 11.9 17.9#

