

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081519\
 Data File : VV012256.D
 Acq On : 15 Aug 2019 18:32
 Operator : SY/MD
 Sample : K4337-19
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AB6

Quant Time: Aug 16 05:07:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 16 04:21:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	169135	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	162489	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	94547	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	37396	3.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.80%
7) Chloroethane-d5	1.58	69	26849	3.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	67.40%
11) 1,1-Dichloroethene-d2	2.13	63	55905	3.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.60%
20) 2-Butanone-d5	3.95	46	109864	48.82	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.64%
24) Chloroform-d	4.40	84	95381	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.08	65	49459	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.10	84	188678	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.12	67	55828	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.20%
41) Toluene-d8	7.36	98	168438	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
43) trans-1,3-Dichloropropene-	7.66	79	21543	4.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.00%
46) 2-Hexanone-d5	8.13	63	89073	59.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.76%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	43492	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	79026	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

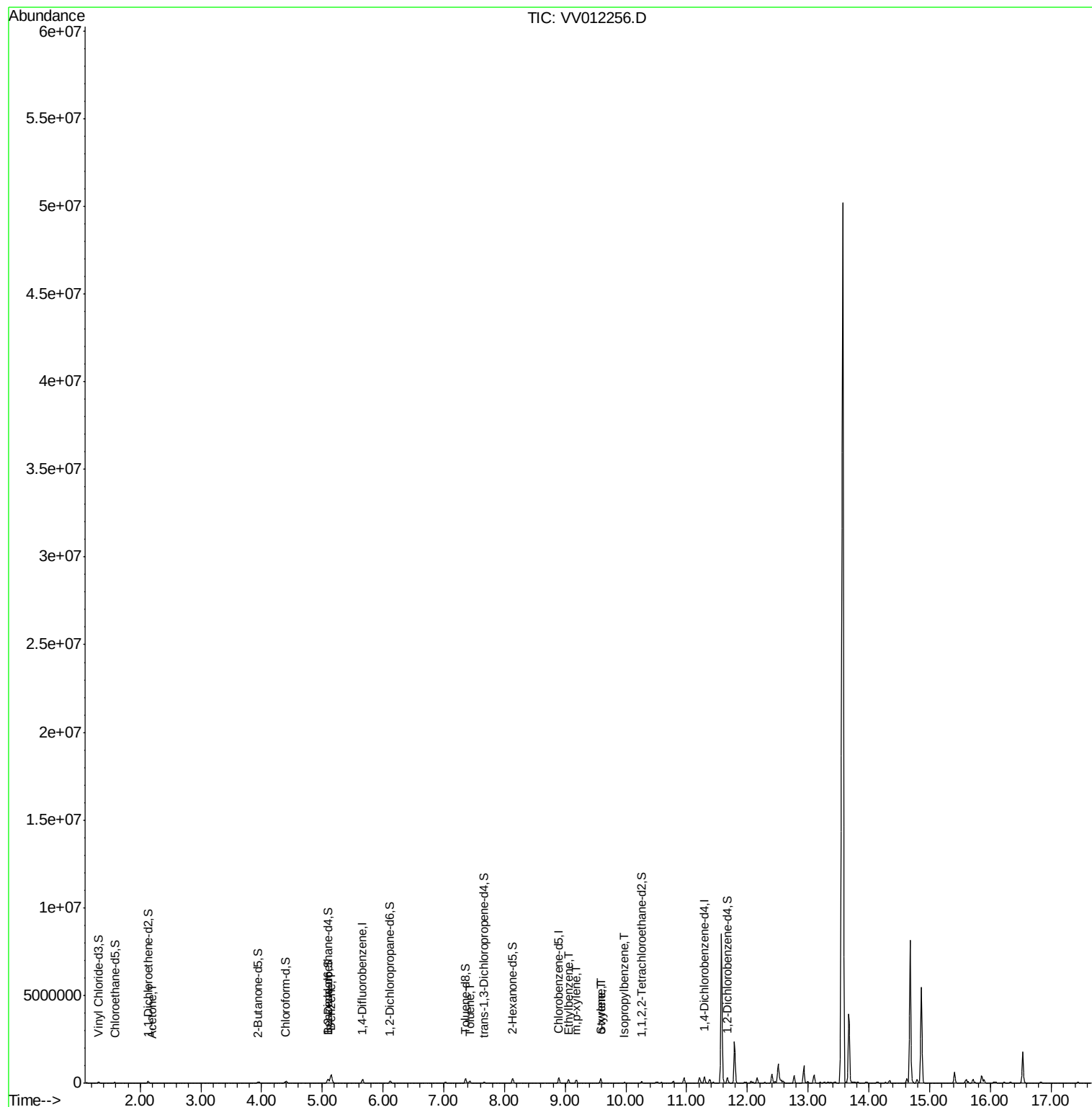
					Ovalue
13) Acetone	2.20	43	4144	2.955 ug/L	94
33) Benzene	5.14	78	469309	9.575 ug/L	100
42) Toluene	7.43	91	87948	1.687 ug/L	96
52) Ethylbenzene	9.05	91	146871	2.643 ug/L	99
53) m,p-xylene	9.18	106	51852	2.430 ug/L	97
54) o-xylene	9.59	106	61888	3.064 ug/L	98
55) Styrene	9.60	104	12721	0.377 ug/L #	51
56) Isopropylbenzene	9.97	105	22037	0.408 ug/L	99

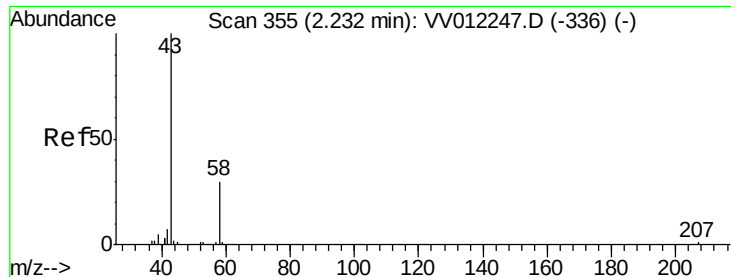
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.955 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.03 min

Lab File: VV012256.D

Acq: 15 Aug 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

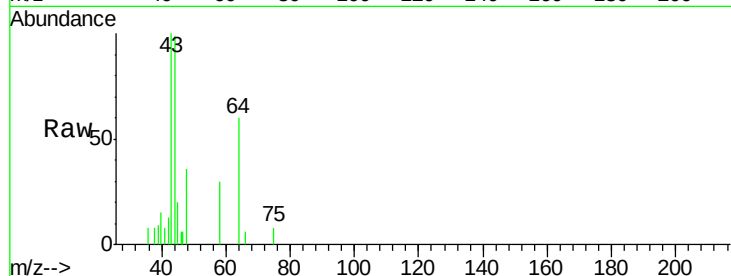
C0AB6

Tot Ion: 43 Resp: 4144

Ion Ratio Lower Upper

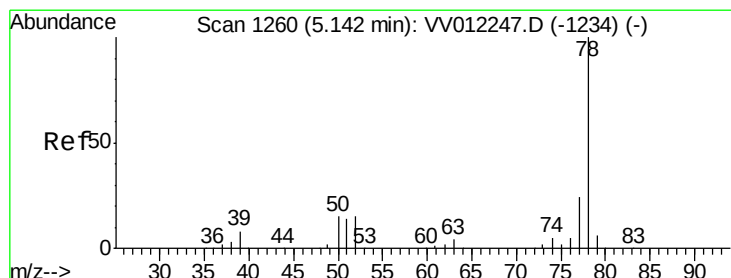
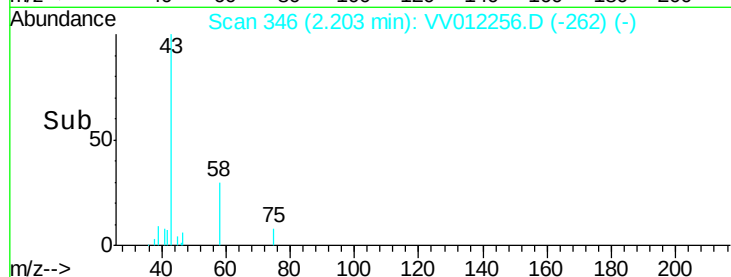
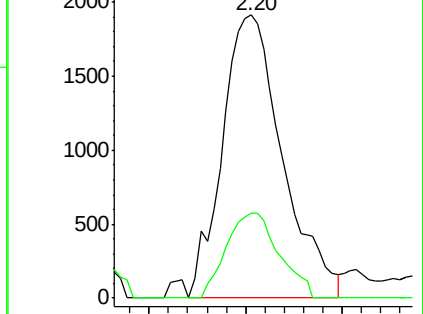
43 100

58 26.5 0.0 59.4



Abundance Ion 43.05 (42.75 to 43.75): VV012247.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV012247.D (-336) (-)



#33

Benzene

Concen: 9.575 ug/L

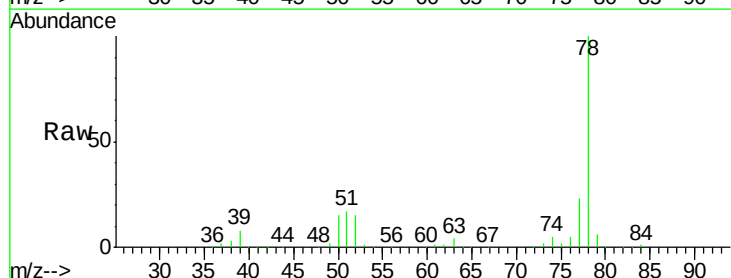
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV012256.D

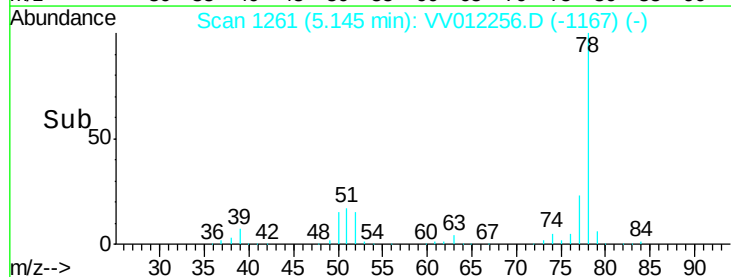
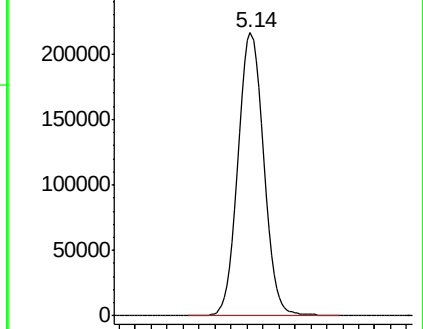
Acq: 15 Aug 2019 18:32

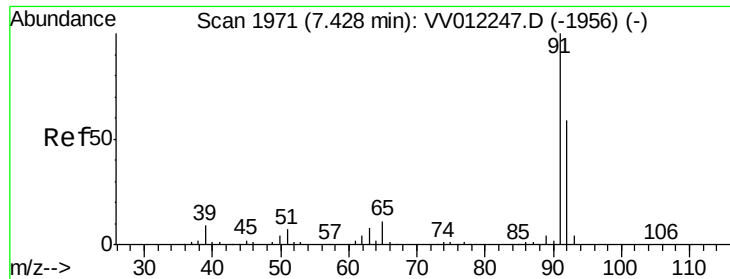
Tgt Ion: 78 Resp: 469309



Abundance Ion 78.10 (77.80 to 78.80): VV012247.D (-1234) (-)

Ion 51.10 (50.80 to 51.40): VV012247.D (-1234) (-)





#42

Toluene

Concen: 1.687 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012256.D

Acq: 15 Aug 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

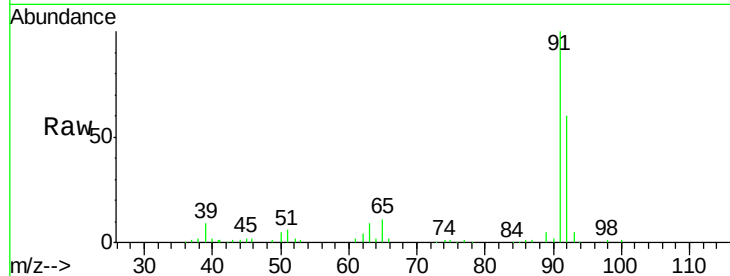
C0AB6

Tot Ion: 91 Resp: 87948

Ion Ratio Lower Upper

91 100

92 59.7 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

60000

50000

40000

30000

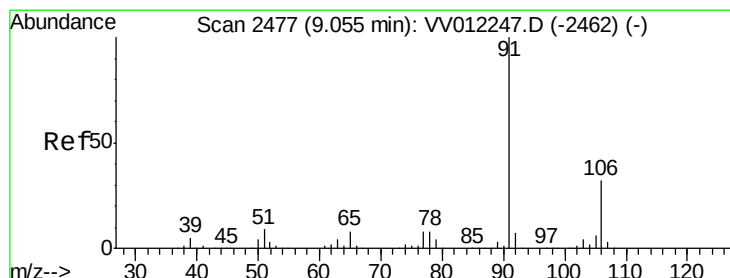
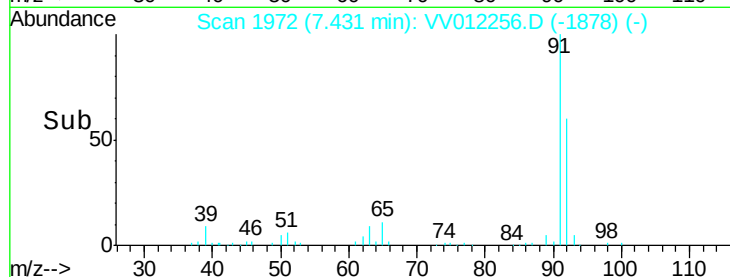
20000

10000

0

Time-->

7.35 7.40 7.45 7.50



#52

Ethylbenzene

Concen: 2.643 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012256.D

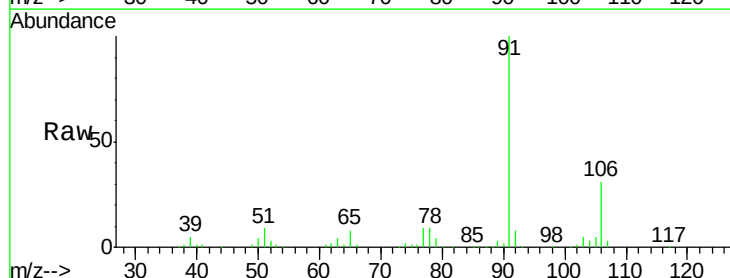
Acq: 15 Aug 2019 18:32

Tgt Ion: 91 Resp: 146871

Ion Ratio Lower Upper

91 100

106 31.3 22.3 41.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V

9.05

100000

80000

60000

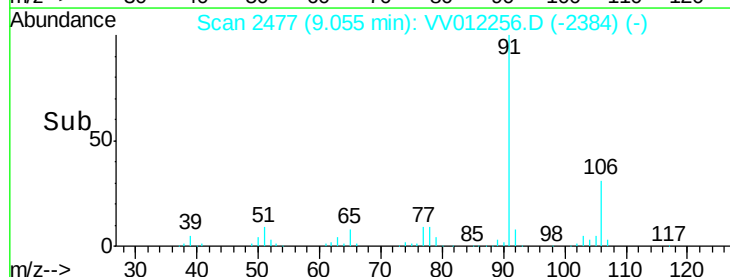
40000

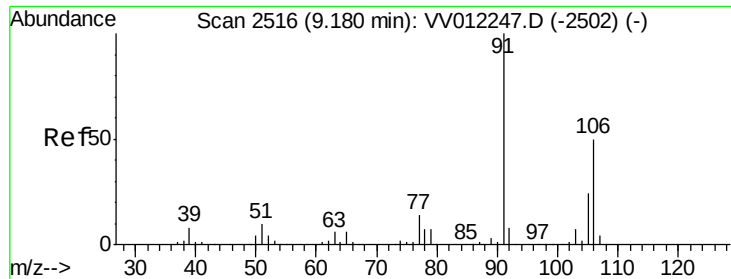
20000

0

Time-->

9.00 9.05 9.10 9.15





#53

m,p-xylene

Concen: 2.430 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012256.D

Acq: 15 Aug 2019 18:32

Instrument :

MSVOA_V

ClientSampleId :

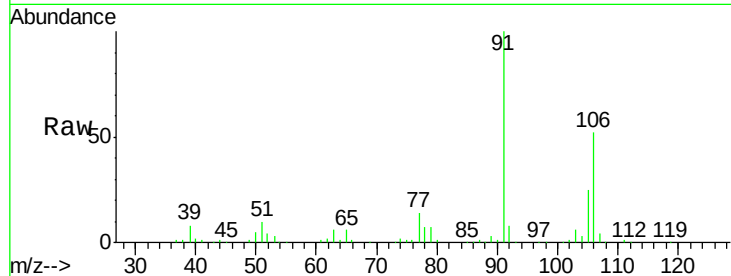
C0AB6

Tot Ion:106 Resp: 51852

Ion Ratio Lower Upper

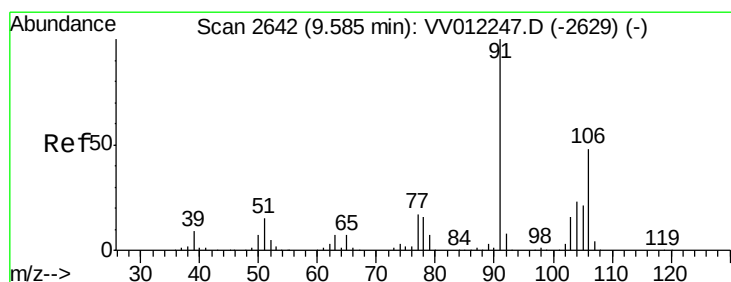
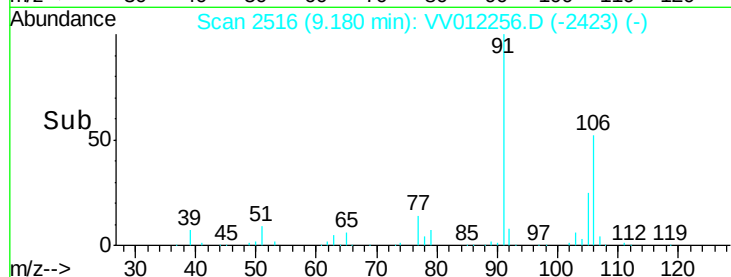
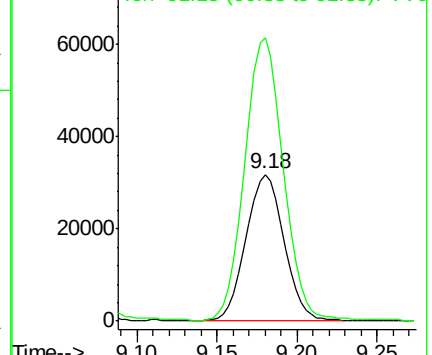
106 100

91 192.5 137.5 255.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#54

o-xylene

Concen: 3.064 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012256.D

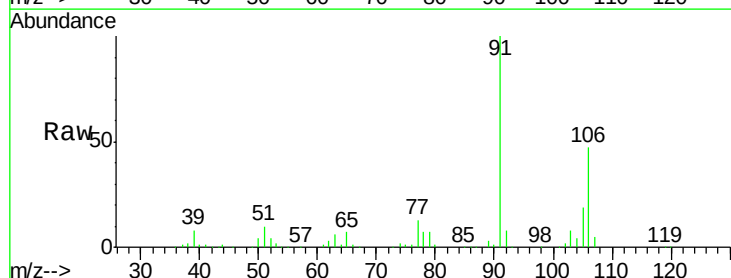
Acq: 15 Aug 2019 18:32

Tgt Ion:106 Resp: 61888

Ion Ratio Lower Upper

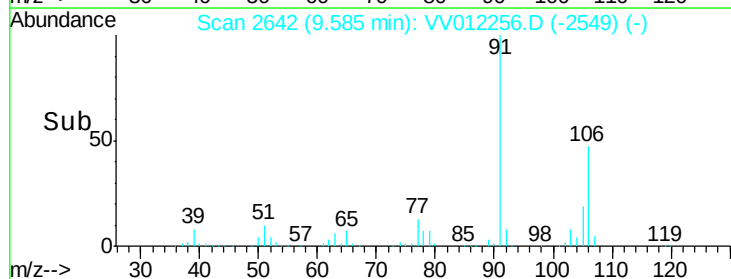
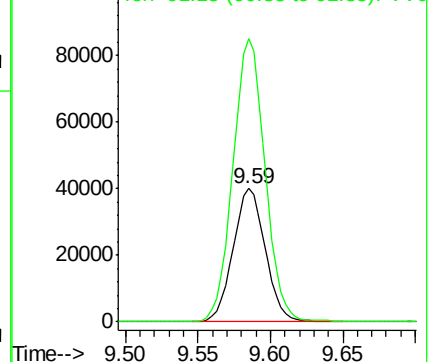
106 100

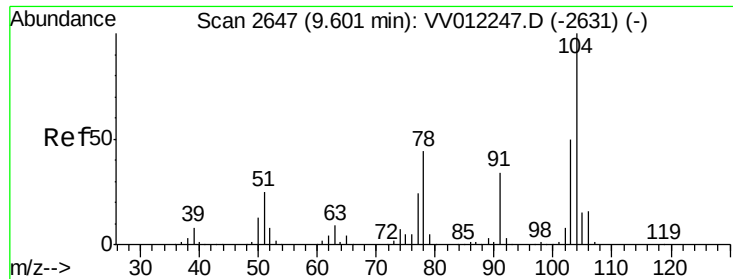
91 212.5 151.1 280.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#55

Stvrene

Concen: 0.377 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV012256.D

Acq: 15 Aug 2019 18:32

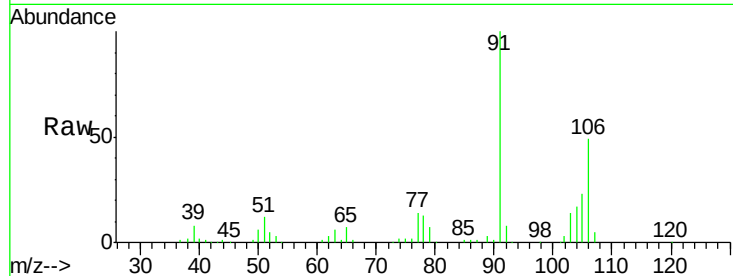
Instrument :
MSVOA_V
ClientSampled :
C0AB6

Tot Ion:104 Resp: 12721

Ion Ratio Lower Upper

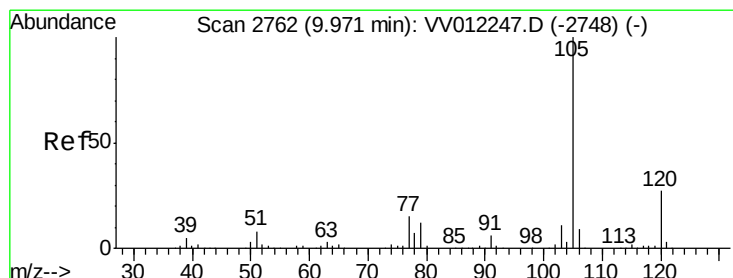
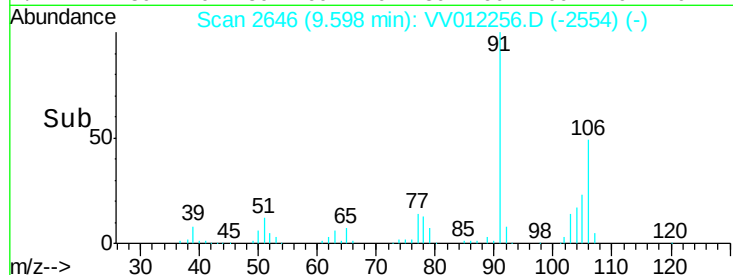
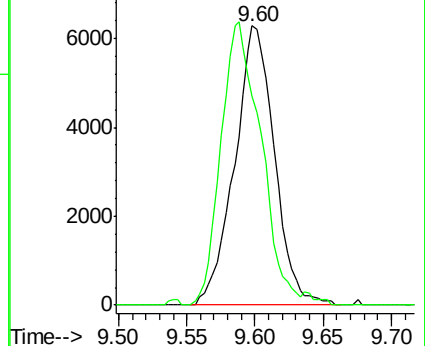
104 100

78 74.7 30.3 56.3#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



#56

Isopropylbenzene

Concen: 0.408 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012256.D

Acq: 15 Aug 2019 18:32

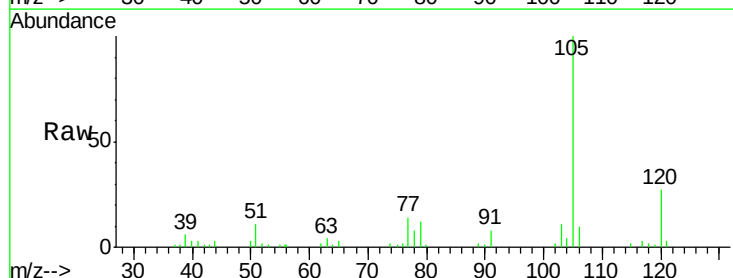
Tgt Ion:105 Resp: 22037

Ion Ratio Lower Upper

105 100

120 28.0 22.0 33.0

77 15.5 12.5 18.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0

