

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032219\
 Data File : VW009361.D
 Acq On : 22 Mar 2019 23:21
 Operator : SY/VA
 Sample : K2031-01
 Misc : 5.48G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF5S1

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 8:29:40 AM

Quant Time: Mar 24 14:34:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 23 01:25:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	291602	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	187063	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	48350	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	90579	25.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.96%
7) Chloroethane-d5	2.89	69	95716	23.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.88%
10) 1,1-Dichloroethene-d2	4.01	63	122622	16.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.12%
20) 2-Butanone-d5	7.08	46	90198	62.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	125.18%
24) Chloroform-d	7.64	84	196263	24.66	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.64%
26) 1,2-Dichloroethane-d4	8.31	65	133207	27.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.16%
29) Benzene-d6	8.27	84	328167	31.81	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	127.24%
33) 1,2-Dichloropropane-d6	9.27	67	108389	34.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	139.92%#
37) Toluene-d8	10.32	98	217569	22.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.24%
38) trans-1,3-Dichloropropene-	10.58	79	43427	27.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	111.64%
39) 2-Hexanone-d5	10.93	63	60612	80.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	161.54%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	76591	25.10	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.40%
61) 1,2-Dichlorobenzene-d4	13.86	152	38541	20.79	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.16%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.13	43	12867	10.888	ug/L	88
16) Methylene chloride	4.91	84	32390m	7.617	ug/L	
44) Toluene	10.38	91	22200	1.983	ug/L	89
53) Ethylbenzene	11.73	91	31963	2.540	ug/L	97
54) m,p-Xylene	11.83	106	65474	13.693	ug/L	99
55) o-xylene	12.16	106	40746	8.735	ug/L	93
57) Isopropylbenzene	12.46	105	17142	1.372	ug/L #	96

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

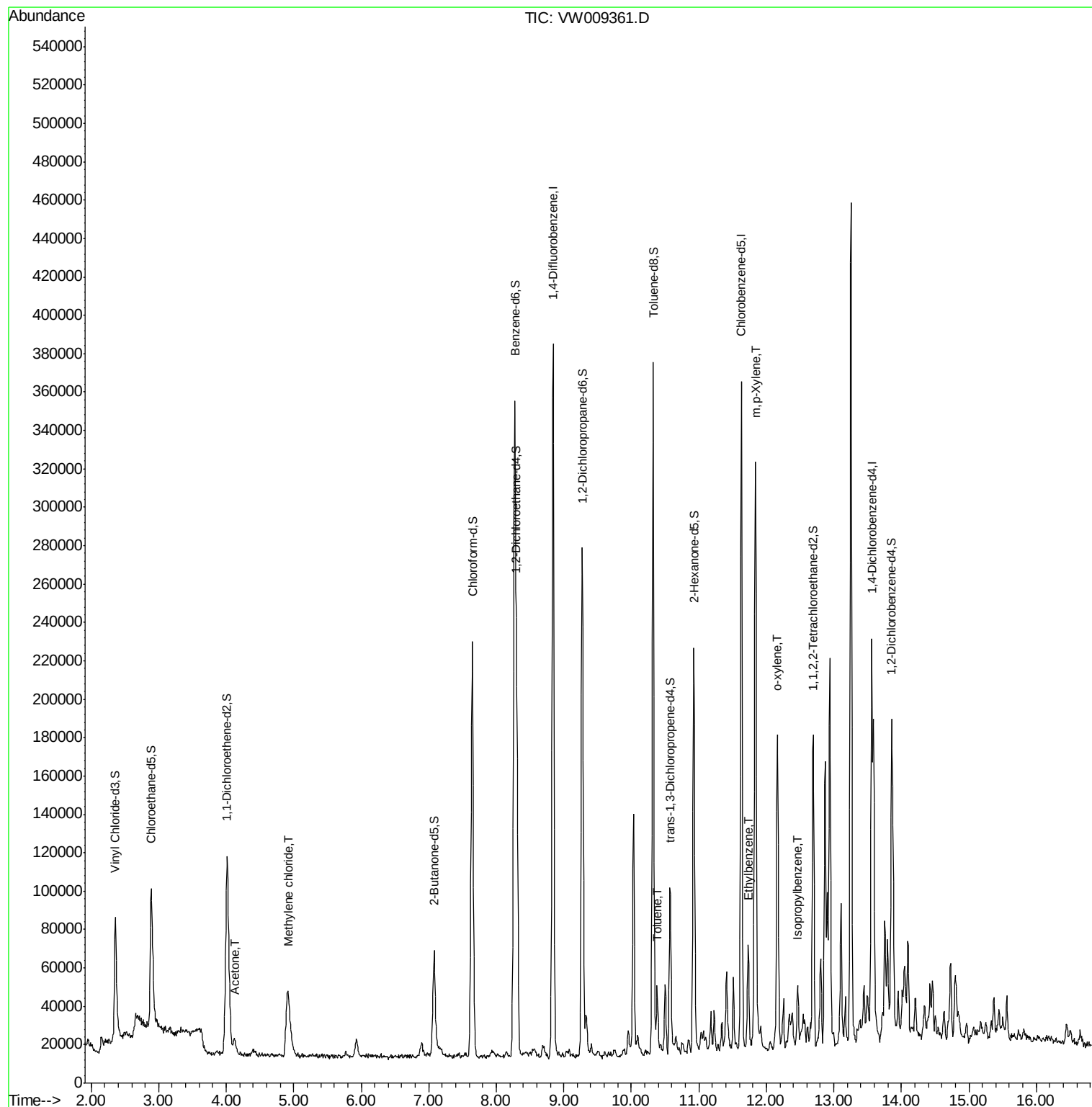
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032219\
Data File : VW009361.D
Acq On : 22 Mar 2019 23:21
Operator : SY/VA
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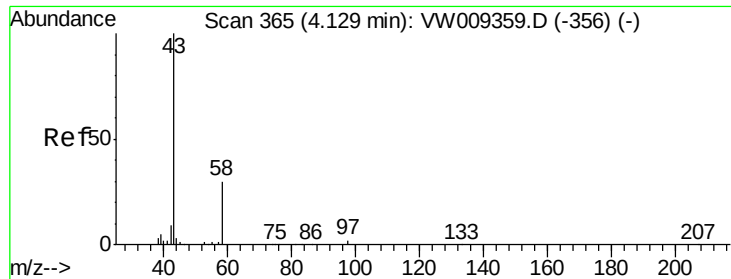
Instrument :
MSVOA_W
ClientSampleId :
BF5S1

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3/25/2019 8:29:40 AM

Quant Time: Mar 24 14:34:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 23 01:25:26 2019
Response via : Initial Calibration





#13

Acetone

Concen: 10.888 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW009361.D

Acq: 22 Mar 2019 23:21

Instrument :

MSVOA_W

ClientSampled :

BF5S1

Tot Ion: 43 Resp: 12867

Ion Ratio Lower Upper

43 100

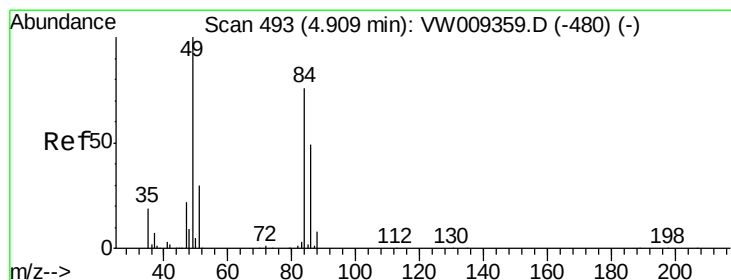
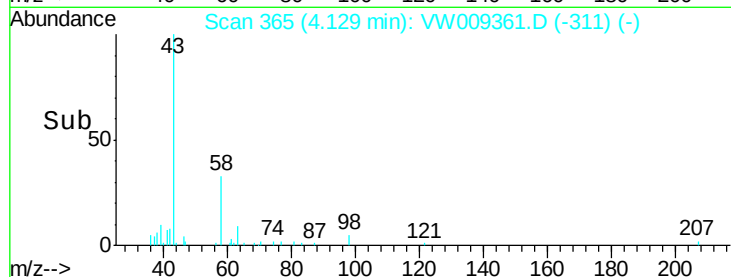
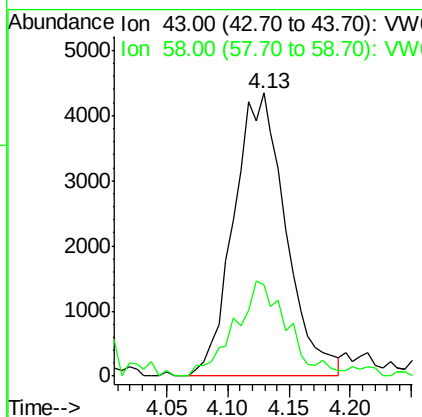
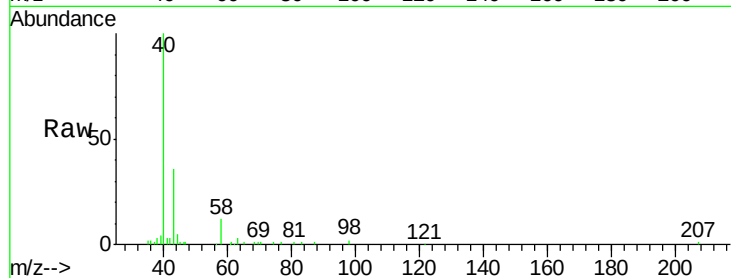
58 21.9 0.0 56.2

Manual Integrations

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#16

Methylene chloride

Concen: 7.617 ug/L m

RT: 4.91 min Scan# 493

Delta R.T. -0.00 min

Lab File: VW009361.D

Acq: 22 Mar 2019 23:21

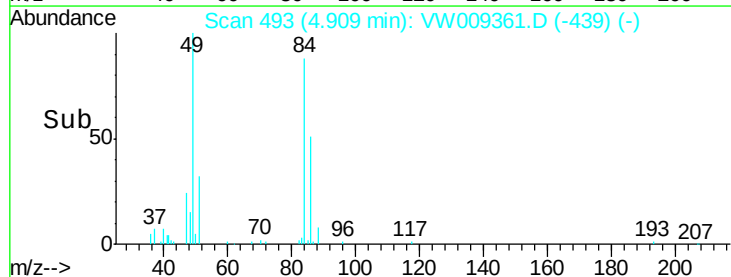
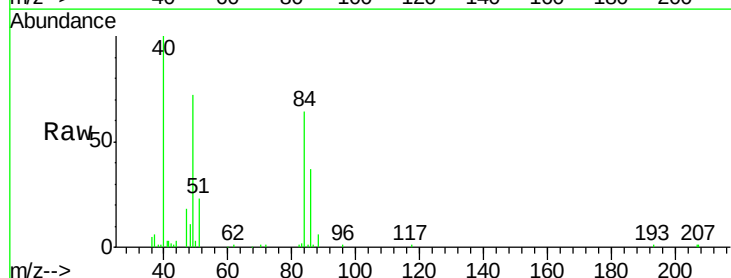
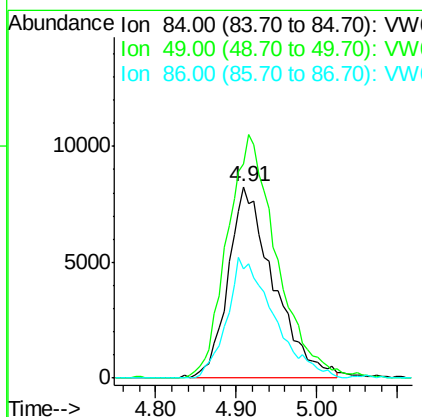
Tgt Ion: 84 Resp: 32390

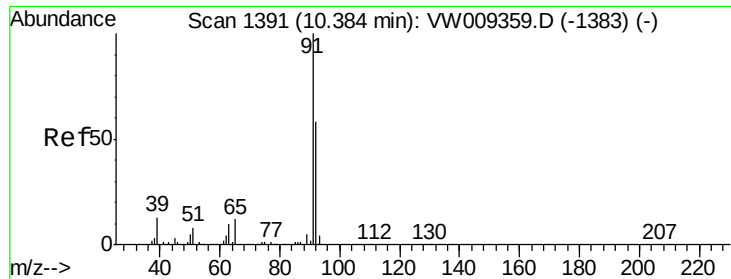
Ion Ratio Lower Upper

84 100

49 112.3 96.0 178.2

86 57.3 44.4 82.5





#44

Toluene

Concen: 1.983 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW009361.D

Acq: 22 Mar 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

BF5S1

Tot Ion: 91 Resp: 22200

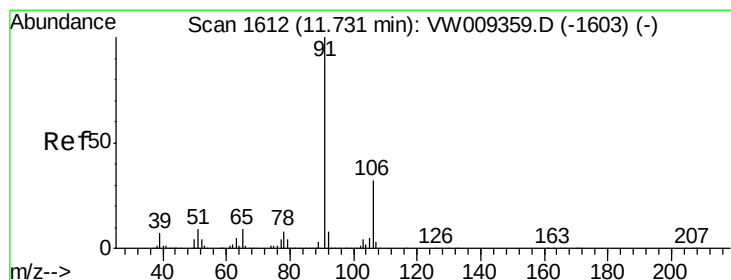
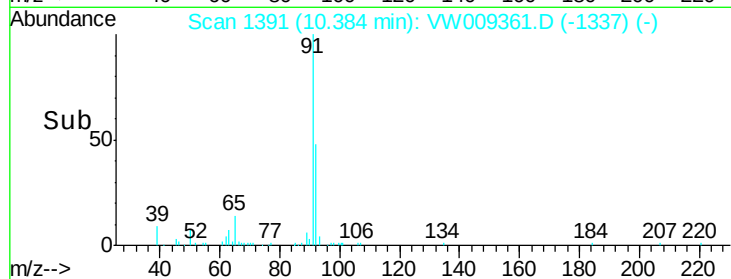
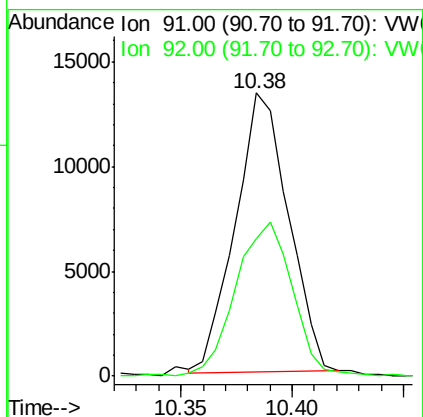
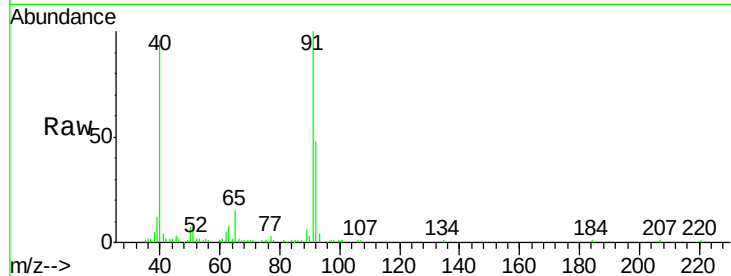
Ion Ratio Lower Upper

91 100

92 48.5 39.8 73.8

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#53

Ethylbenzene

Concen: 2.540 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW009361.D

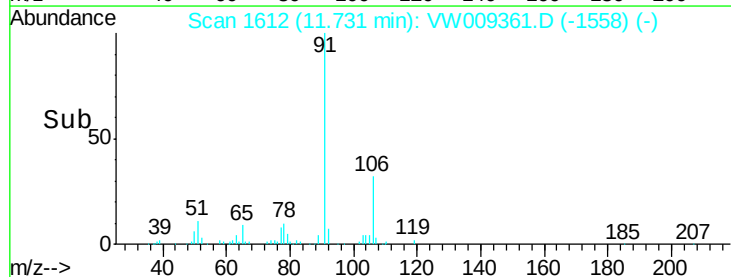
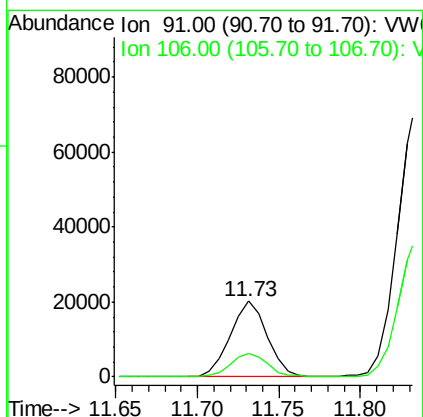
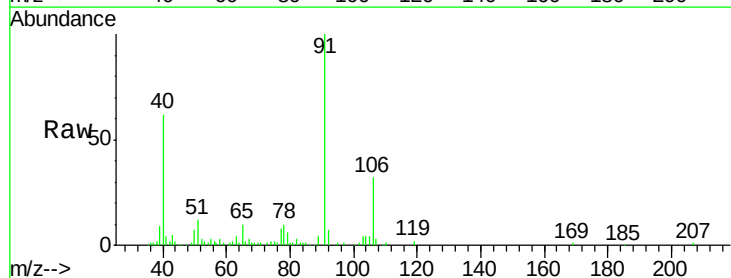
Acq: 22 Mar 2019 23:21

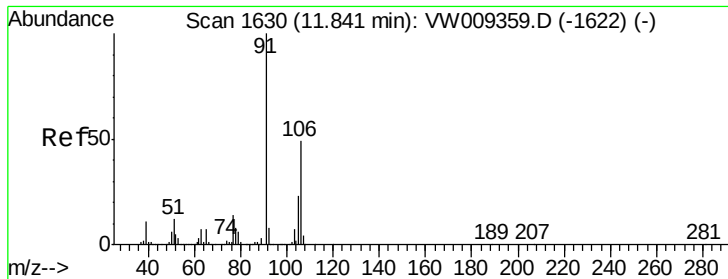
Tgt Ion: 91 Resp: 31963

Ion Ratio Lower Upper

91 100

106 31.8 21.0 39.0





#54

m,p-Xylene

Concen: 13.693 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW009361.D

Acq: 22 Mar 2019 23:21

Instrument :

MSVOA_W

ClientSampled :

BF5S1

Tot Ion:106 Resp: 65474

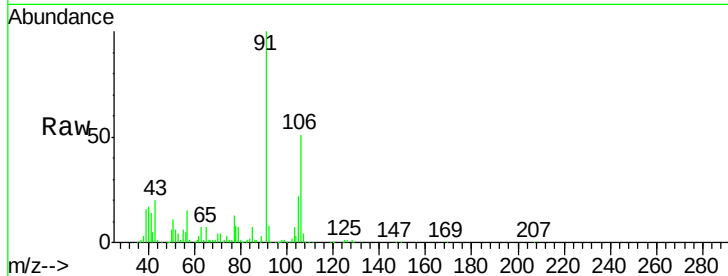
Ion Ratio Lower Upper

106 100

91 195.8 138.4 257.0

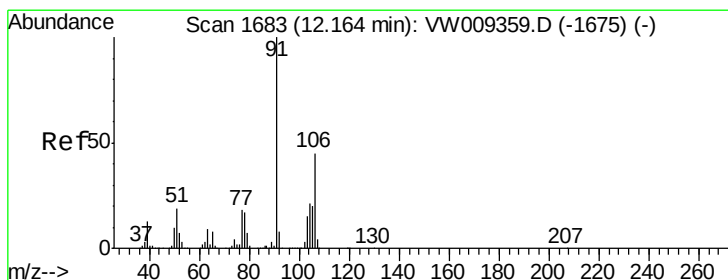
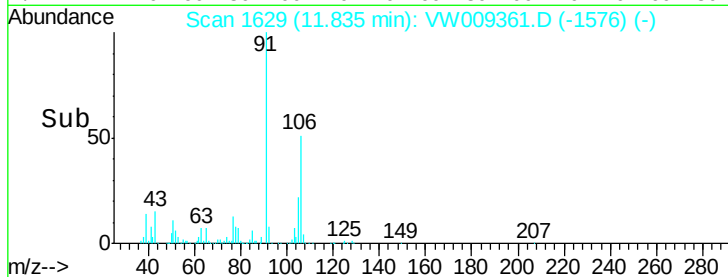
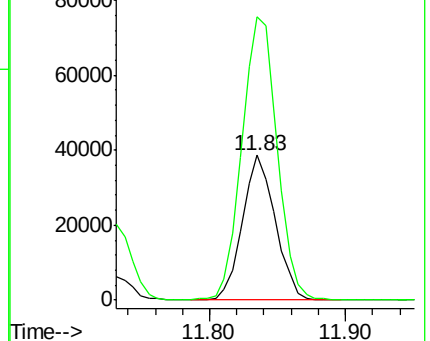
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 8.735 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW009361.D

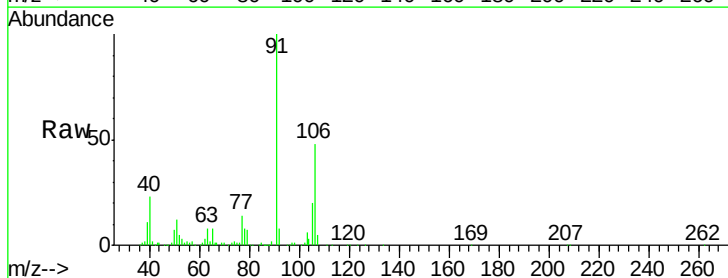
Acq: 22 Mar 2019 23:21

Tgt Ion:106 Resp: 40746

Ion Ratio Lower Upper

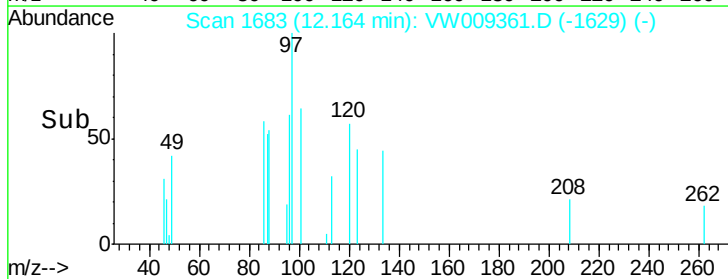
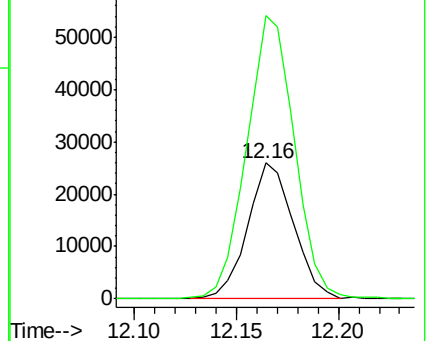
106 100

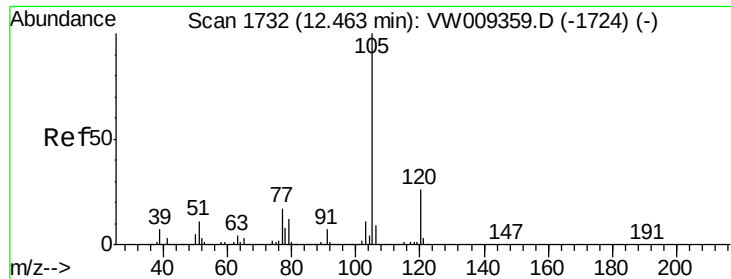
91 208.3 153.2 284.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#57

Isopropylbenzene

Concen: 1.372 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW009361.D

Acq: 22 Mar 2019 23:21

Instrument :

MSVOA_W

ClientSampleId :

BF5S1

Tot Ion:	105	Resp:	17142
Ion Ratio		Lower	Upper
105	100		
120	26.2	21.3	31.9
77	20.2	13.1	19.7

Manual Integrations
APPROVED

MMDadoda
3/25/2019 8:29:40 AM

