

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042319\
 Data File : VU031438.D
 Acq On : 23 Apr 2019 15:13
 Operator : JC/SP
 Sample : K2481-15
 Misc : 5.03g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GAHW8

Manual Integrations
 APPROVED

MMDadoda
 4/24/2019 10:45:57 AM

Quant Time: May 02 07:47:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 24 06:00:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	755604	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	717543	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	345910	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	224181	36.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.22%
7) Chloroethane-d5	1.68	69	151037	32.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	64.80%#
11) 1,1-Dichloroethene-d2	2.24	63	330922	31.07	ug/L	-0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.14%
21) 2-Butanone-d5	4.21	46	380461	83.12	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.12%
24) Chloroform-d	4.64	84	402024	41.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.42%
26) 1,2-Dichloroethane-d4	5.31	65	264168	45.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.40%
32) Benzene-d6	5.33	84	882061	42.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.10%
36) 1,2-Dichloropropane-d6	6.33	67	297265	44.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.14%
41) Toluene-d8	7.56	98	776573	41.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.88%
43) trans-1,3-Dichloropropene-	7.85	79	129763	42.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.38%
47) 2-Hexanone-d5	8.34	63	314988	94.25	ug/L	0.03
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.25%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	378239	41.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	286341	40.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.98%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
42) Toluene	7.64	91	59085	2.742	ug/L	96
52) Ethylbenzene	9.25	91	111219	4.818	ug/L	97
53) m,p-Xylene	9.37	106	533303	63.297	ug/L	100
54) o-xylene	9.78	106	561976	66.342	ug/L	100
55) Styrene	9.79	104	66867m	4.746	ug/L	

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

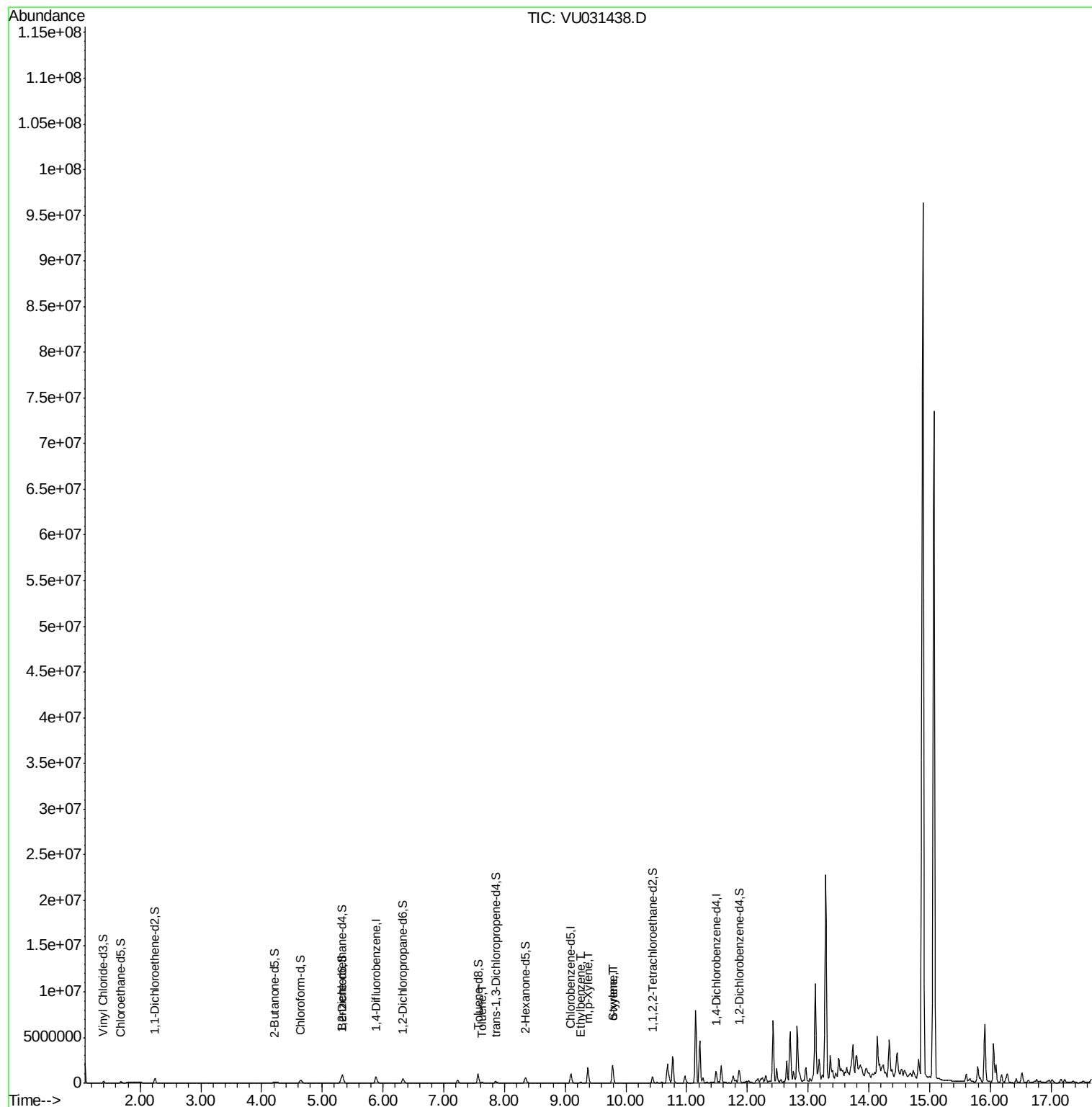
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042319\
Data File : VU031438.D
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ALS Vial : 17 Sample Multiplier: 1

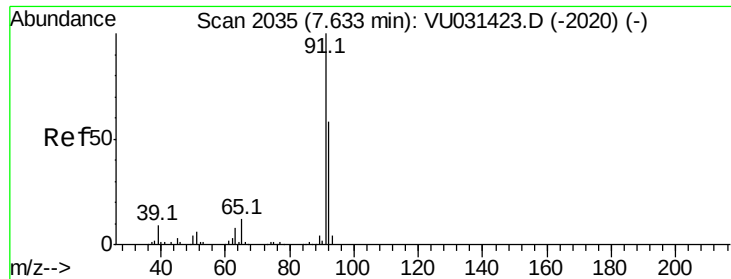
Instrument :
MSVOA_U
ClientSampleId :
GAHW8

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Quant Time: May 02 07:47:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042319WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 24 06:00:22 2019
Response via : Initial Calibration





#42

Toluene

Concen: 2.742 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU031438.D

Acq: 23 Apr 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

GAHW8

Tot Ion: 91 Resp: 59085

Ion Ratio Lower Upper

91 100

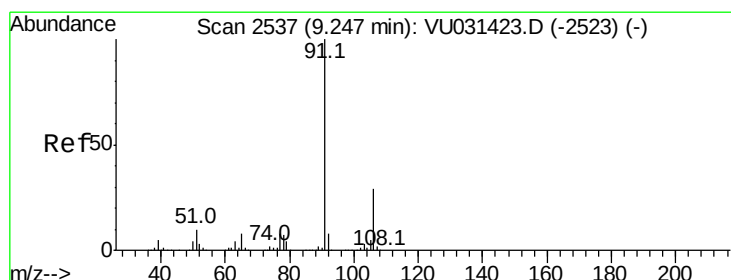
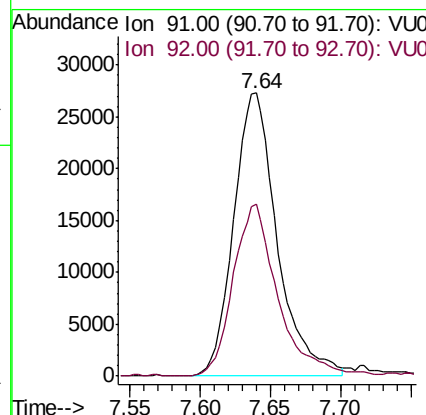
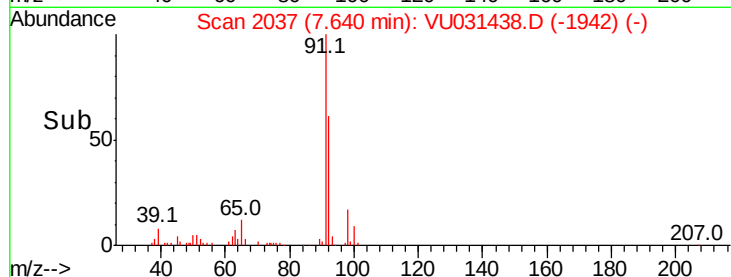
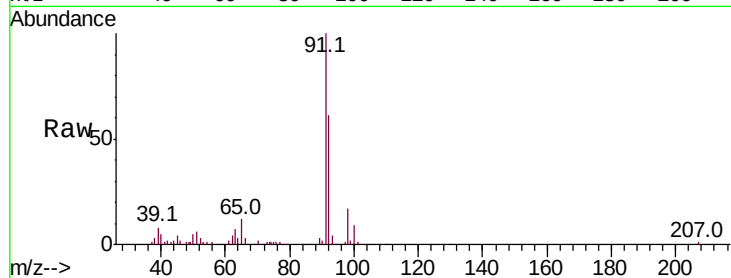
92 60.9 40.6 75.4

Manual Integrations

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#52

Ethylbenzene

Concen: 4.818 ug/L

RT: 9.25 min Scan# 2538

Delta R.T. 0.00 min

Lab File: VU031438.D

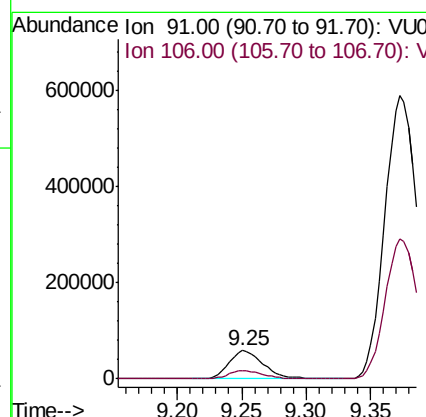
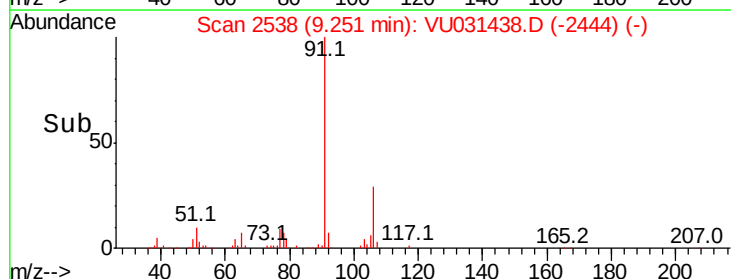
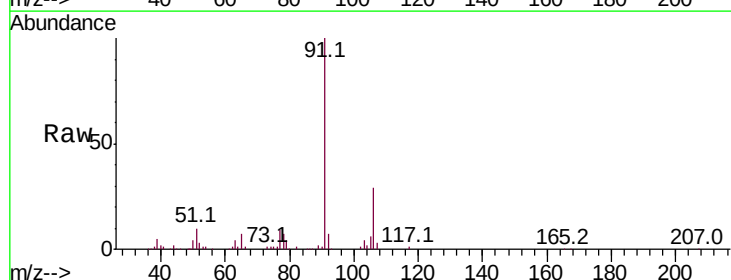
Acq: 23 Apr 2019 15:13

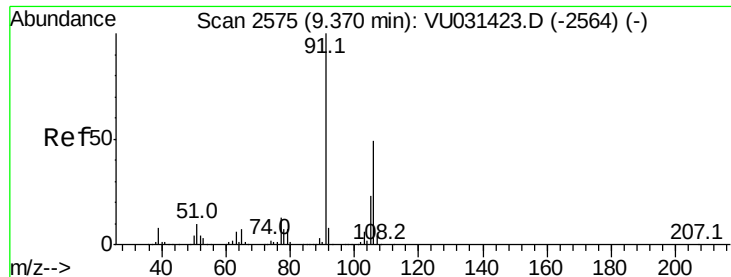
Tgt Ion: 91 Resp: 111219

Ion Ratio Lower Upper

91 100

106 28.9 21.3 39.5





#53

m,p-Xylene

Concen: 63.297 ug/L

RT: 9.37 min Scan# 2576

Delta R.T. 0.00 min

Lab File: VU031438.D

Acq: 23 Apr 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

GAHW8

Tot Ion:106 Resp: 533303

Ion Ratio Lower Upper

106 100

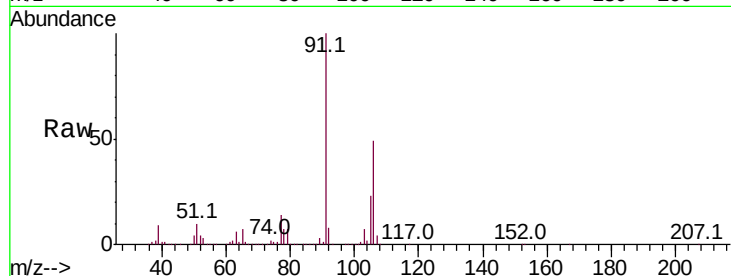
91 202.1 141.5 262.7

Manual Integrations

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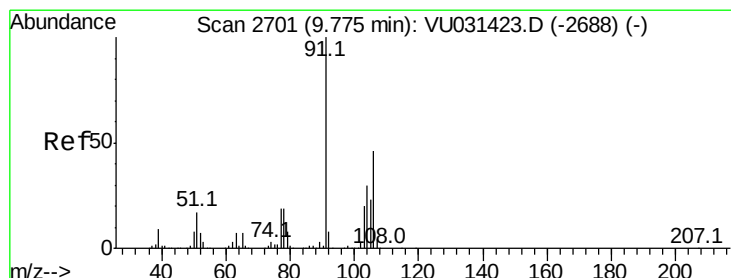
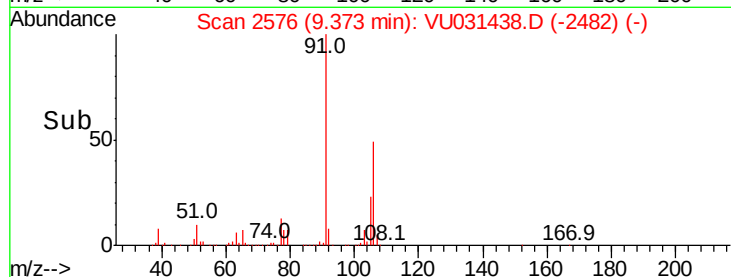
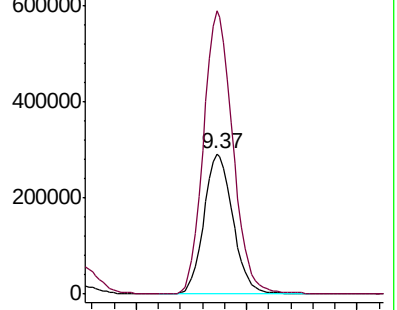
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 66.342 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.01 min

Lab File: VU031438.D

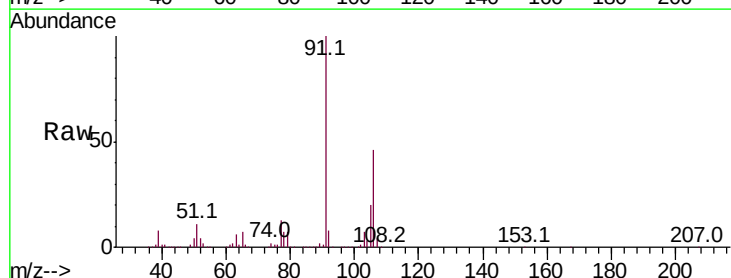
Acq: 23 Apr 2019 15:13

Tgt Ion:106 Resp: 561976

Ion Ratio Lower Upper

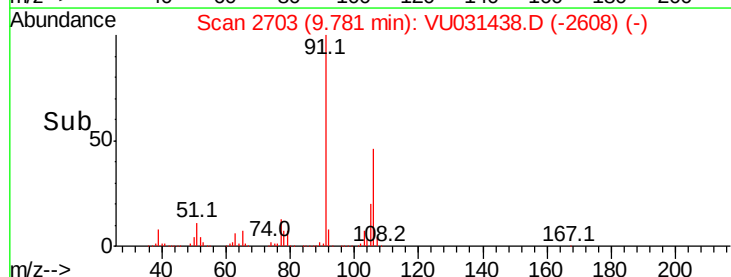
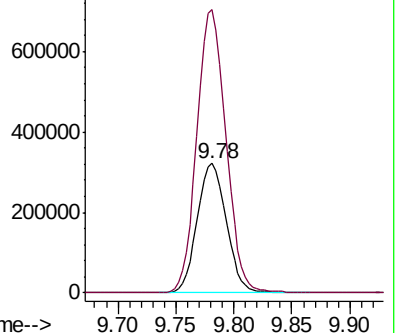
106 100

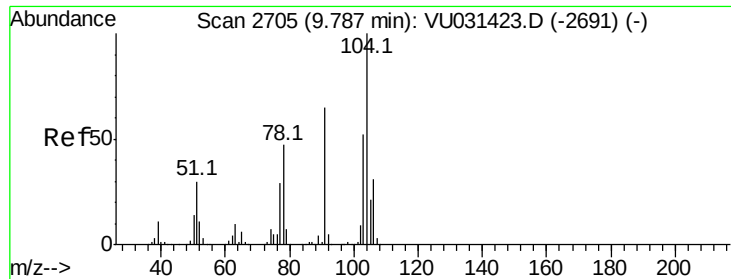
91 218.4 152.4 283.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#55

Stvrene

Concen: 4.746 ug/L m

RT: 9.79 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VU031438.D

Acq: 23 Apr 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

GAHW8

Tot Ion:104 Resp: 66867

Ion Ratio Lower Upper

104 100

78 146.2 31.1 57.7#

Manual Integrations

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