

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU043019\
 Data File : VU031650.D
 Acq On : 30 Apr 2019 21:32
 Operator : JC/SP
 Sample : K2593-17 200X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0XD9

Quant Time: May 01 04:36:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 01 01:38:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	715939	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	676712	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	226480	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	300776	50.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.40%
7) Chloroethane-d5	1.68	69	222845	48.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.26%
11) 1,1-Dichloroethene-d2	2.26	63	451249	37.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.64%
21) 2-Butanone-d5	4.19	46	540479	99.56	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.56%
24) Chloroform-d	4.64	84	526482	47.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.96%
26) 1,2-Dichloroethane-d4	5.31	65	367478	51.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.52%
32) Benzene-d6	5.33	84	1007709	48.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.98%
36) 1,2-Dichloropropane-d6	6.32	67	366431	50.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.24%
41) Toluene-d8	7.56	98	802395	44.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.66%
43) trans-1,3-Dichloropropene-	7.85	79	140158	44.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.32%
47) 2-Hexanone-d5	8.31	63	302399	95.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.56%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	447941	45.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.30%
64) 1,2-Dichlorobenzene-d4	11.86	152	225469	47.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.68%

Target Compounds

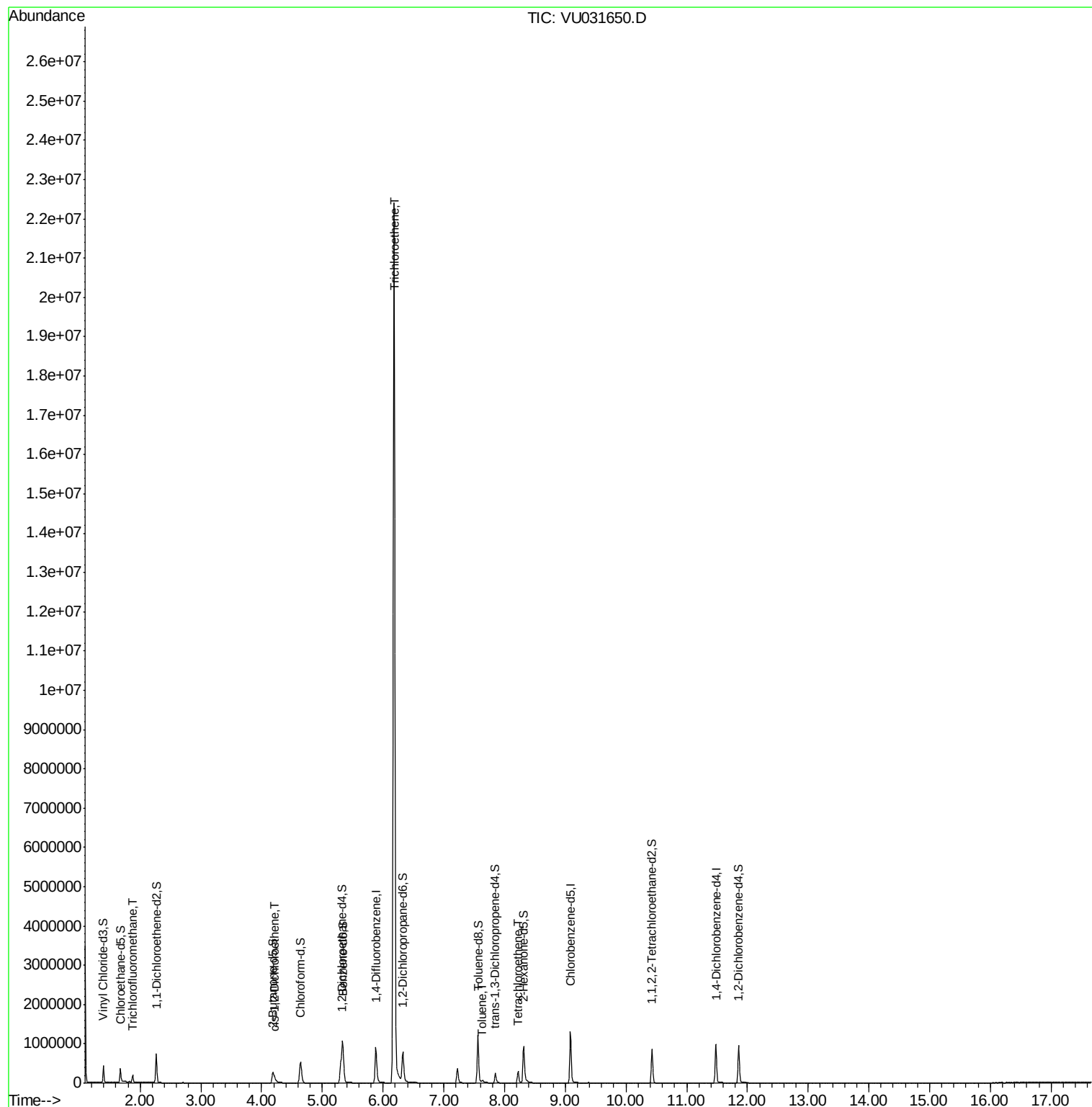
					Ovalue
9) Trichlorofluoromethane	1.88	101	108442	10.682	ug/L 97
20) cis-1,2-Dichloroethene	4.22	96	8147	1.305	ug/L 83
34) Trichloroethene	6.18	95	8200680	1359.757	ug/L 93
42) Toluene	7.64	91	36322	1.466	ug/L 99
46) Tetrachloroethene	8.22	164	65678	15.974	ug/L 94

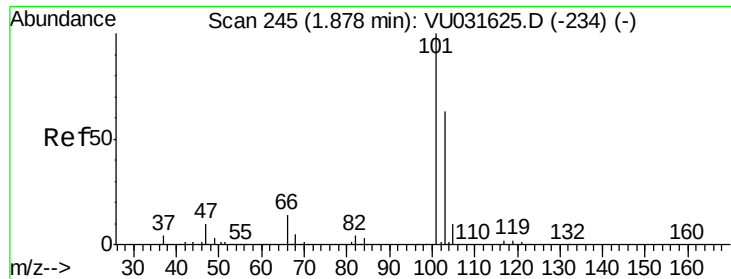
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Trichlorofluoromethane

Concen: 10.682 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU031650.D

Acq: 30 Apr 2019 21:32

Instrument :

MSVOA_U

ClientSampled :

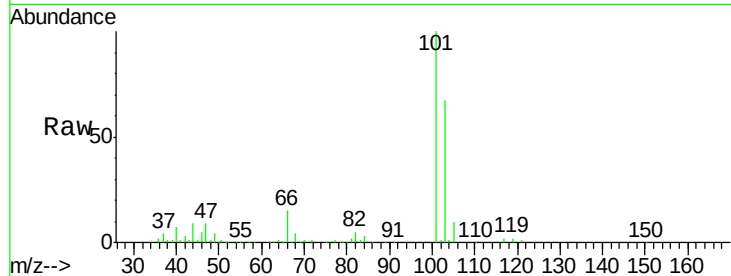
C0XD9

Tot Ion:101 Resp: 108442

Ion Ratio Lower Upper

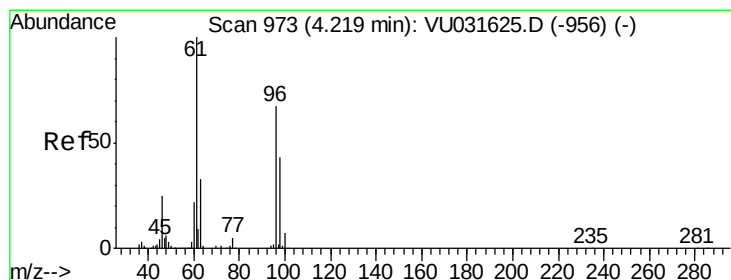
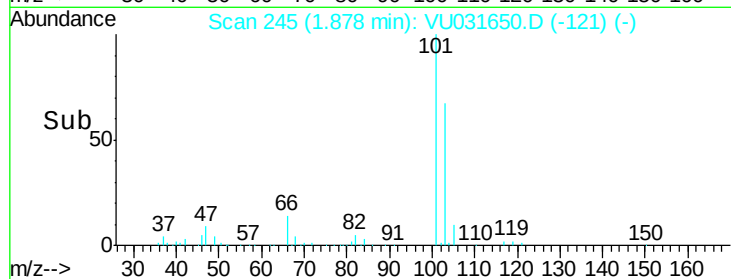
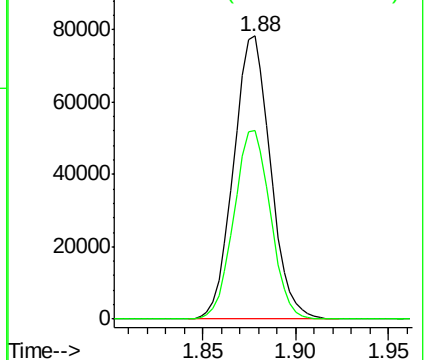
101 100

103 66.0 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#20

cis-1,2-Dichloroethene

Concen: 1.305 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU031650.D

Acq: 30 Apr 2019 21:32

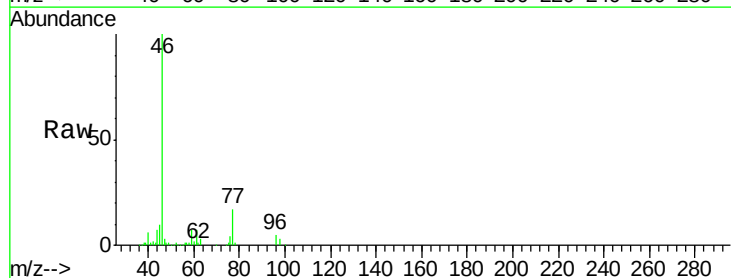
Tgt Ion: 96 Resp: 8147

Ion Ratio Lower Upper

96 100

61 121.5 99.5 184.7

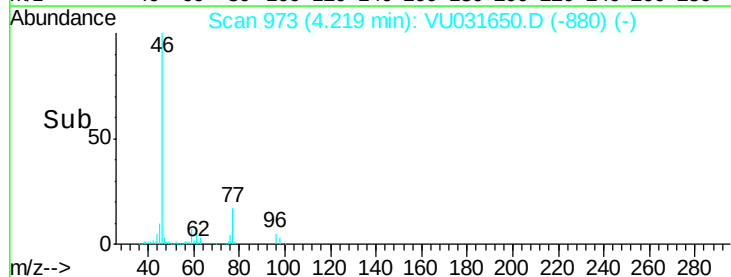
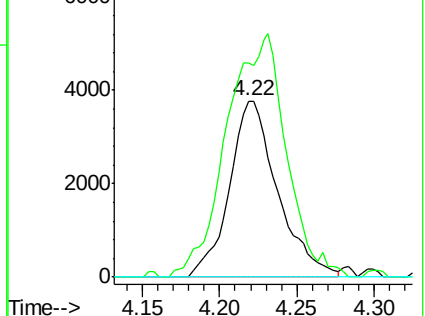
68 0.0 0.0 0.0

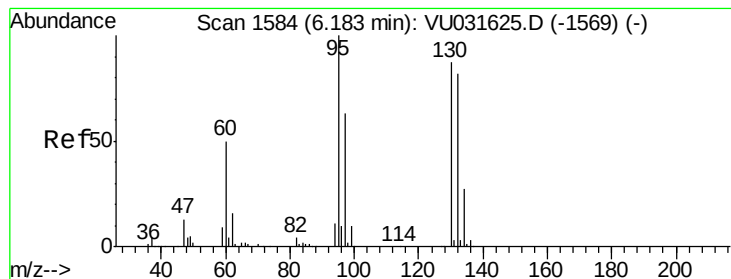


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#34

Trichloroethene

Concen: 1359.757 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU031650.D

Acq: 30 Apr 2019 21:32

Instrument :

MSVOA_U

ClientSampleId :

C0XD9

Tot Ion: 95 Resp: 8200680

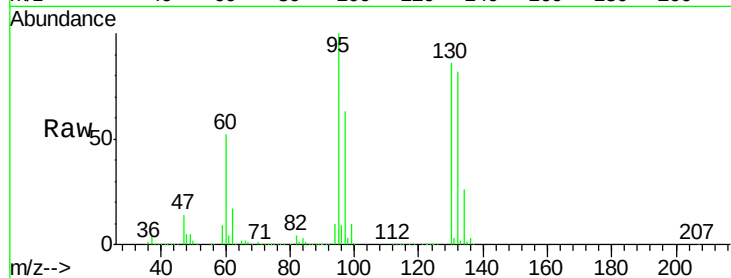
Ion Ratio Lower Upper

95 100

97 63.4 44.8 83.2

132 82.3 63.1 117.1

130 85.7 66.5 123.5

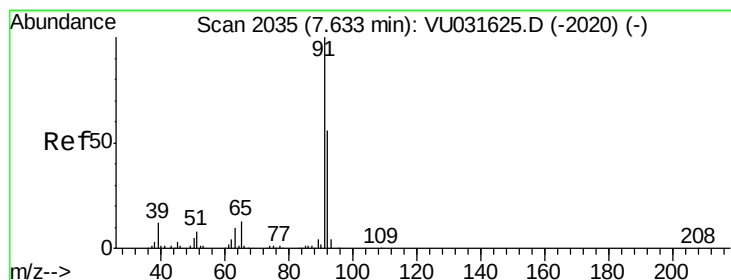
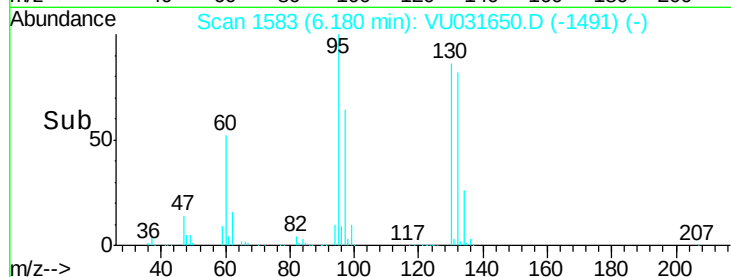
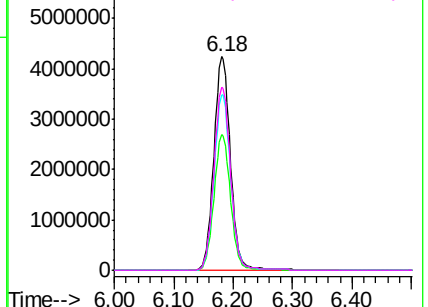


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#42

Toluene

Concen: 1.466 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU031650.D

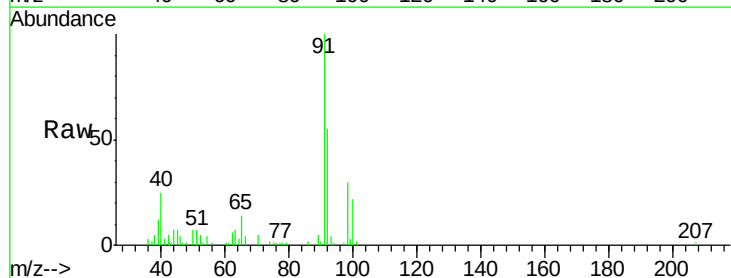
Acq: 30 Apr 2019 21:32

Tgt Ion: 91 Resp: 36322

Ion Ratio Lower Upper

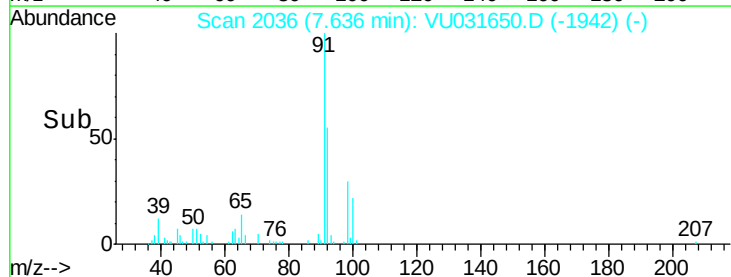
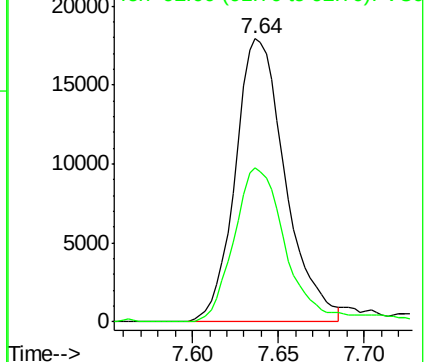
91 100

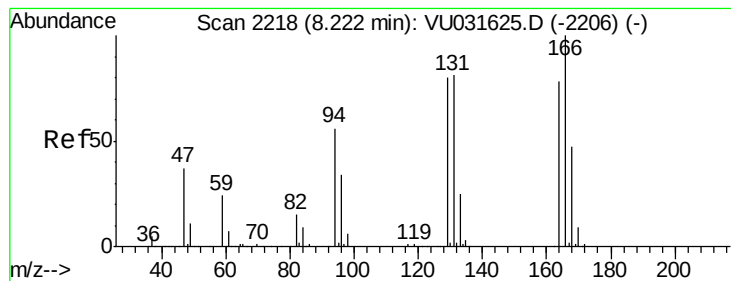
92 54.6 39.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0





#46

Tetrachloroethene

Concen: 15.974 ug/L

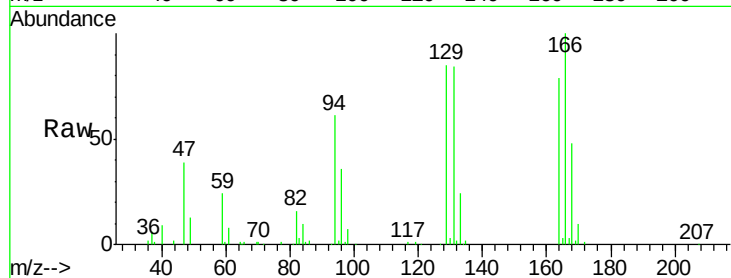
RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU031650.D

Acq: 30 Apr 2019 21:32

Instrument :
MSVOA_U
ClientSampleId :
C0XD9



Tot Ion:164 Resp: 65678

Ion Ratio Lower Upper

164 100

129 106.9 71.5 132.9

131 105.7 69.0 128.2

166 125.8 93.7 173.9

Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

