

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071618\
 Data File : VU025445.D
 Acq On : 16 Jul 2018 23:48
 Operator : MD/SY
 Sample : J3984-11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB186

Quant Time: Jul 17 09:15:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071618WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 17 02:54:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	315778	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	290222	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	127605	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	78598	46.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.58%
7) Chloroethane-d5	1.68	69	66783	47.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.80%
11) 1,1-Dichloroethene-d2	2.27	63	125139	34.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.20%
21) 2-Butanone-d5	4.18	46	169487	98.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.79%
24) Chloroform-d	4.65	84	179406	44.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.06%
26) 1,2-Dichloroethane-d4	5.31	65	127155	46.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.52%
32) Benzene-d6	5.35	84	348489	47.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.33	67	113513	48.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.26%
41) Toluene-d8	7.57	98	321741	44.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.82%
43) trans-1,3-Dichloropropene-	7.85	79	43234	36.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.26%
47) 2-Hexanone-d5	8.31	63	120768	95.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.99%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	164487	45.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.84%
64) 1,2-Dichlorobenzene-d4	11.86	152	128326	48.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.26%

Target Compounds

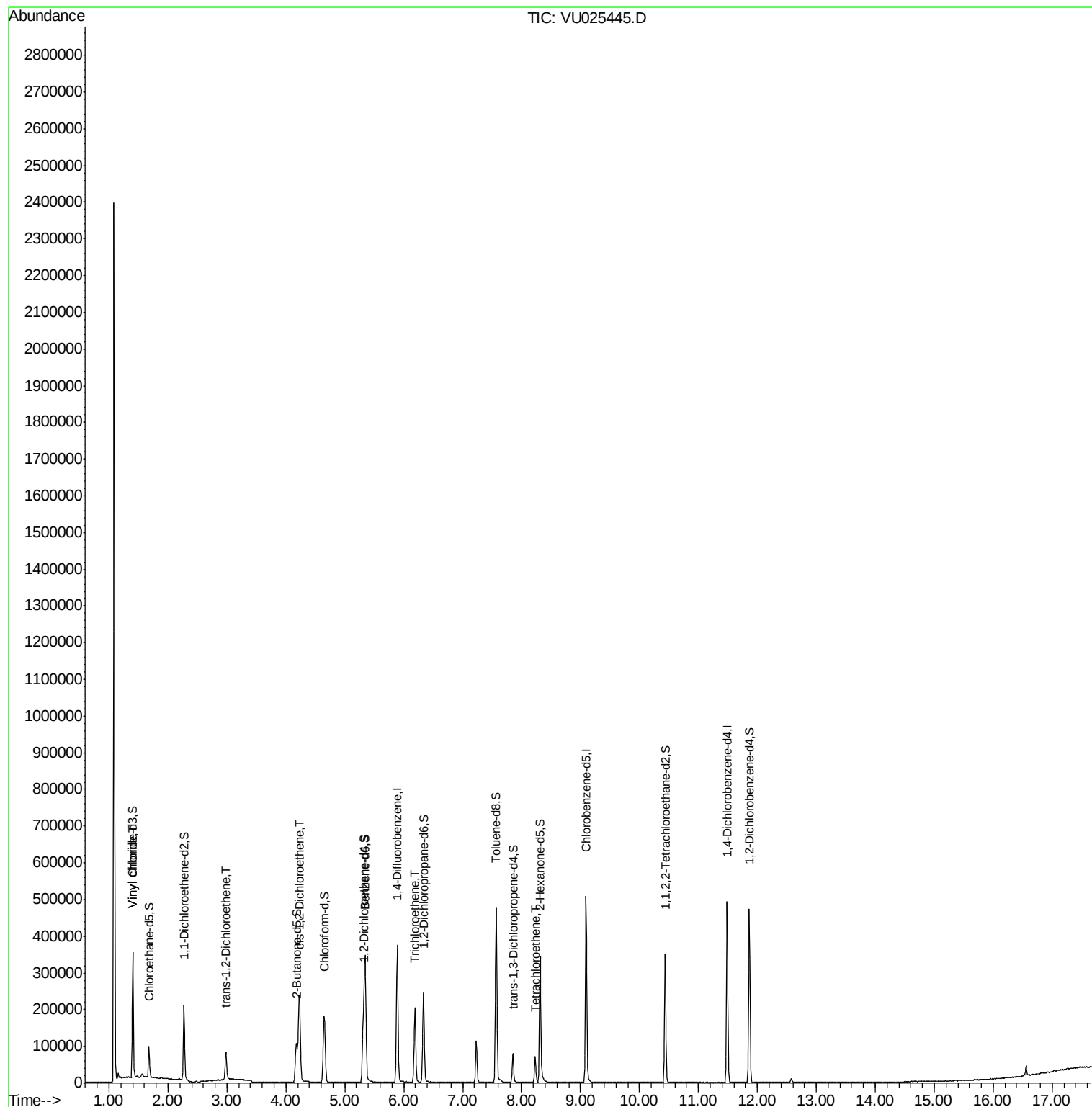
						Ovalue
5) Vinyl chloride	1.40	62	161467	66.97	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	27974	13.55	ug/L	93
20) cis-1,2-Dichloroethene	4.23	96	134116	55.35	ug/L	97
34) Trichloroethene	6.19	95	68599	30.34	ug/L	98
46) Tetrachloroethene	8.23	164	16295	8.70	ug/L	96

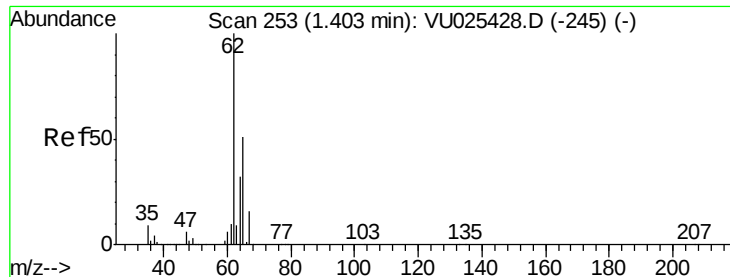
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 66.97 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

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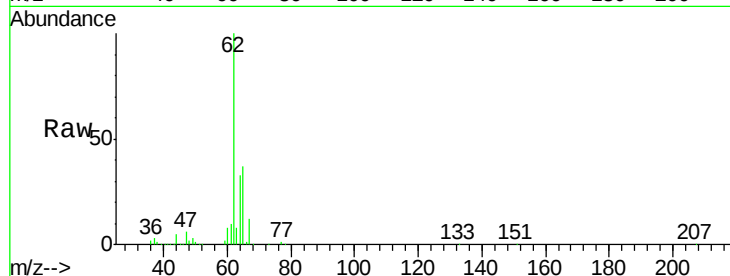
DB186

Tot Ion: 62 Resp: 161467

Ion Ratio Lower Upper

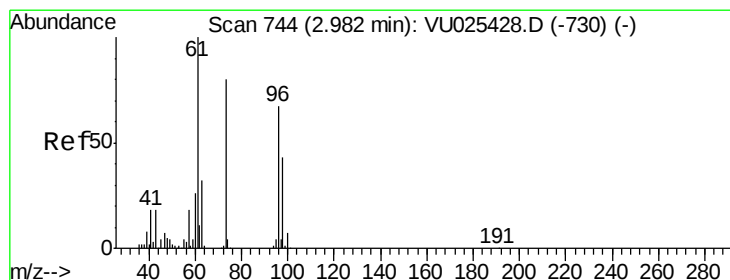
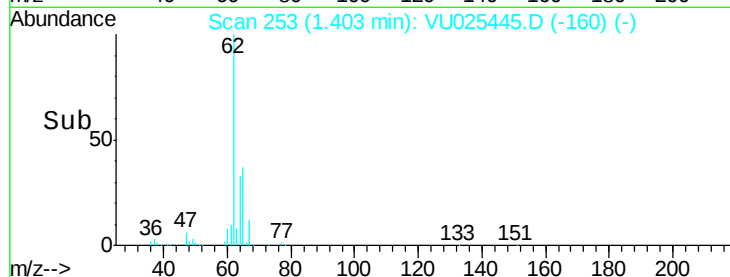
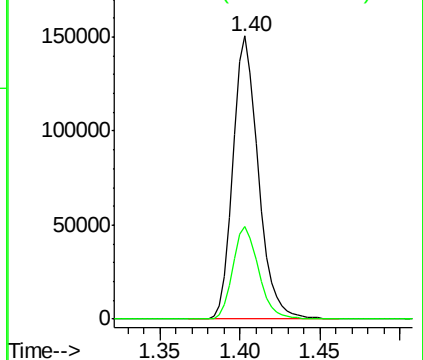
62 100

64 32.7 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#17

trans-1,2-Dichloroethene

Concen: 13.55 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025445.D

Acq: 16 Jul 2018 23:48

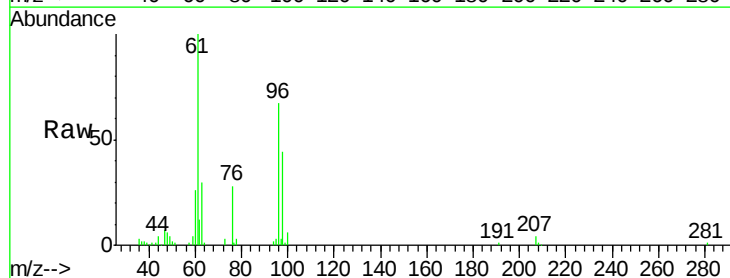
Tgt Ion: 96 Resp: 27974

Ion Ratio Lower Upper

96 100

61 150.1 98.2 182.4

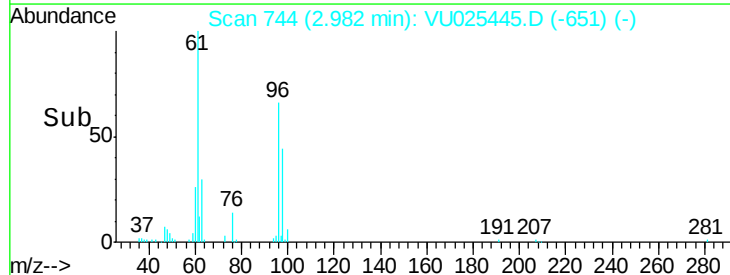
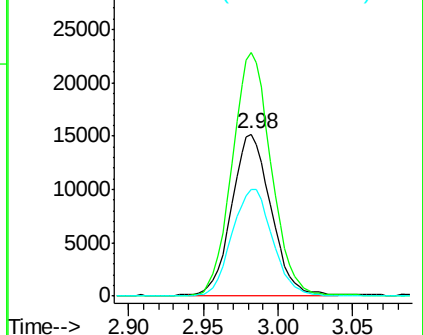
98 65.9 44.4 82.5

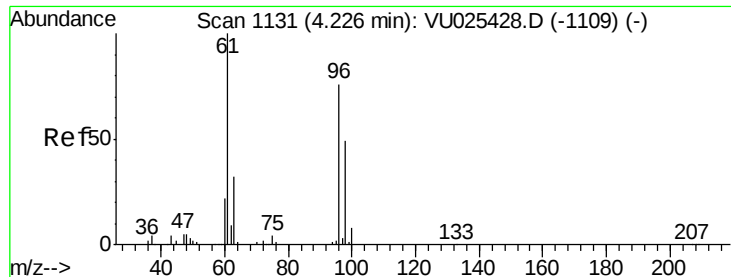


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#20

cis-1,2-Dichloroethene

Concen: 55.35 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

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DB186

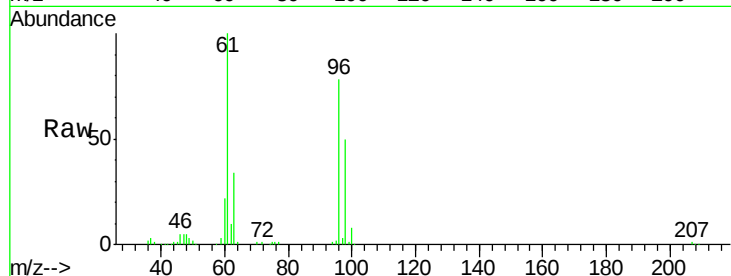
Tot Ion: 96 Resp: 134116

Ion Ratio Lower Upper

96 100

61 128.1 92.0 170.9

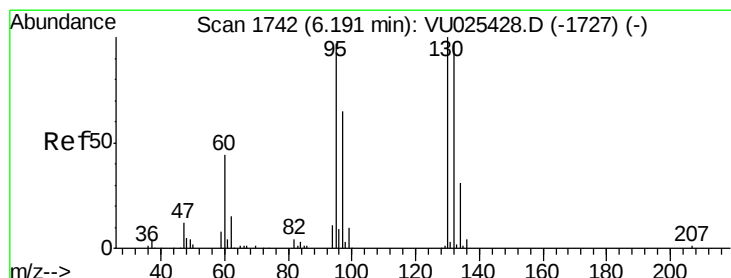
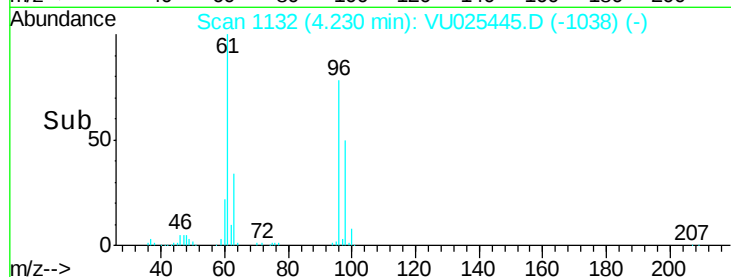
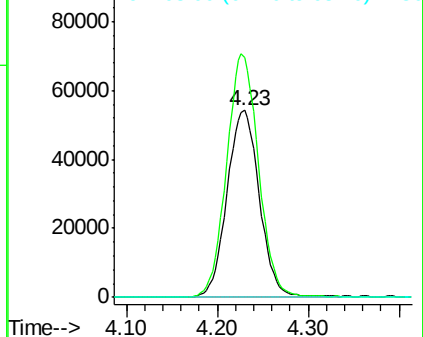
68 0.0 0.0 0.0



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: 30.34 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU025445.D

Acq: 16 Jul 2018 23:48

Tgt Ion: 95 Resp: 68599

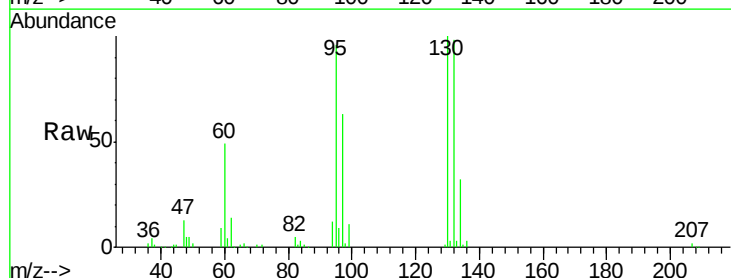
Ion Ratio Lower Upper

95 100

97 65.3 44.3 82.3

132 102.0 69.6 129.2

130 104.0 72.4 134.5

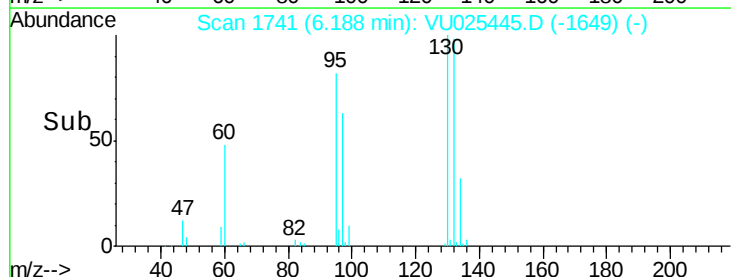
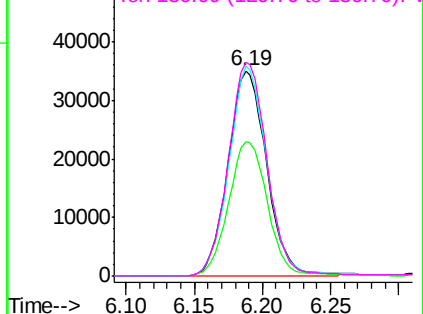


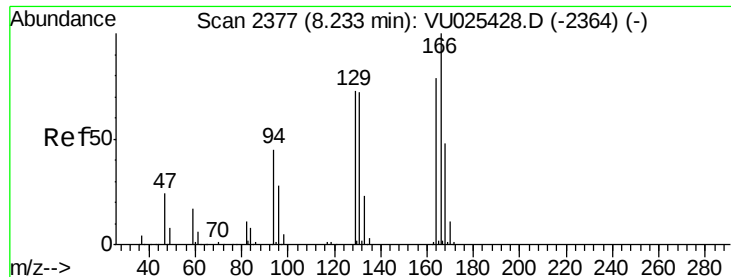
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

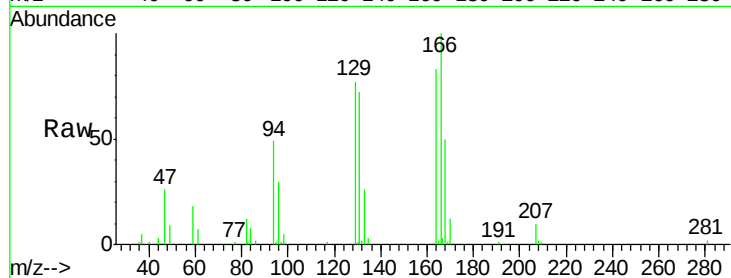




#46
 Tetrachloroethene
 Concen: 8.70 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU025445.D
 Acq: 16 Jul 2018 23:48

Instrument :
 MSVOA_U
 ClientSampleId :
 DB186

Tot Ion:	164	Resp:	16295
Ion	Ratio	Lower	Upper
164	100		
129	92.7	64.7	120.1
131	87.1	63.1	117.3
166	120.8	89.7	166.5



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

