

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071818\
 Data File : VU025502.D
 Acq On : 18 Jul 2018 17:11
 Operator : MD/SY
 Sample : J3984-17
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 19 01:53:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 19 01:07:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	316994	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	286214	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	136667	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	63619	42.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.12%
7) Chloroethane-d5	1.68	69	57690	45.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.60%
11) 1,1-Dichloroethene-d2	2.27	63	108840	33.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.32%
21) 2-Butanone-d5	4.18	46	145774	91.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.64%
24) Chloroform-d	4.65	84	176155	45.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.86%
26) 1,2-Dichloroethane-d4	5.31	65	121948	46.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.42%
32) Benzene-d6	5.35	84	331670	47.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.90%
36) 1,2-Dichloropropane-d6	6.34	67	113551	49.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.14%
41) Toluene-d8	7.57	98	308786	46.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.24%
43) trans-1,3-Dichloropropene-	7.85	79	53845	45.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.32%
47) 2-Hexanone-d5	8.31	63	103650	87.28	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.28%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	158401	46.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.16%
64) 1,2-Dichlorobenzene-d4	11.86	152	131285	47.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.88%

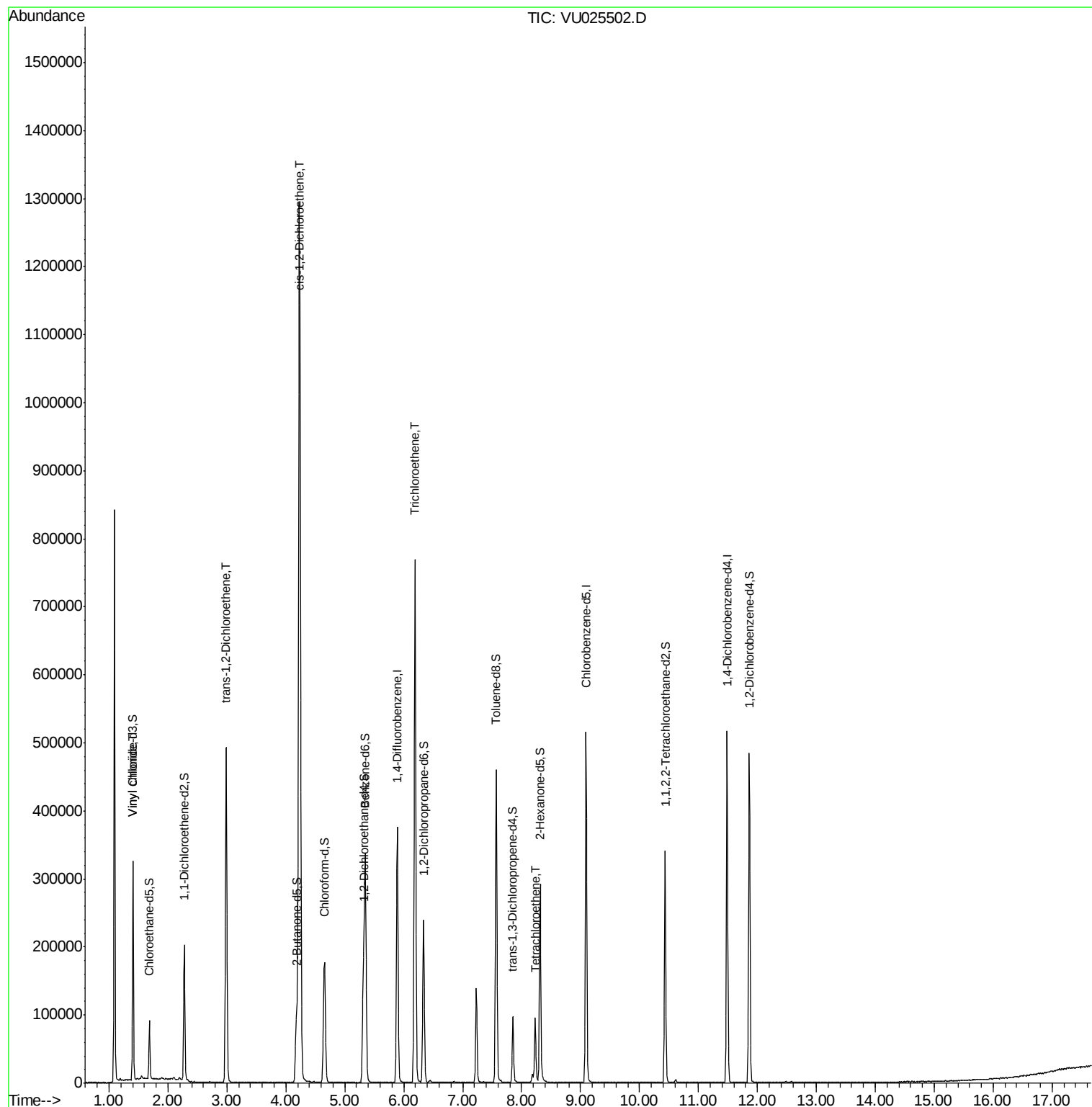
Target Compounds

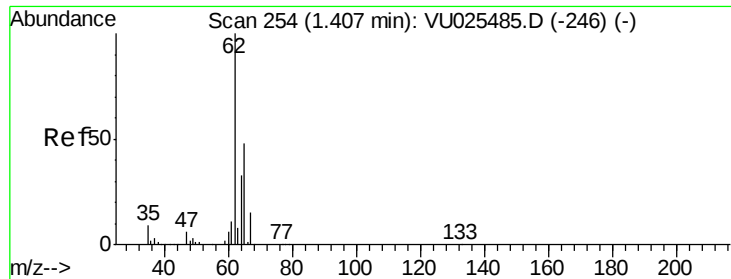
					Ovalue
5) Vinyl chloride	1.41	62	150073	64.67	ug/L 100
17) trans-1,2-Dichloroethene	2.99	96	189026	93.01	ug/L 98
20) cis-1,2-Dichloroethene	4.23	96	727443	292.35	ug/L 99
34) Trichloroethene	6.19	95	257084	114.69	ug/L 98
46) Tetrachloroethene	8.23	164	21076	11.27	ug/L 93

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

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#5

Vinyl chloride

Concen: 64.67 ug/L

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025502.D

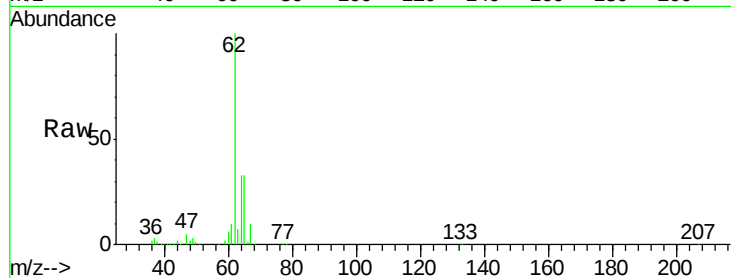
Acq: 18 Jul 2018 17:11

Tot Ion: 62 Resp: 150073

Ion Ratio Lower Upper

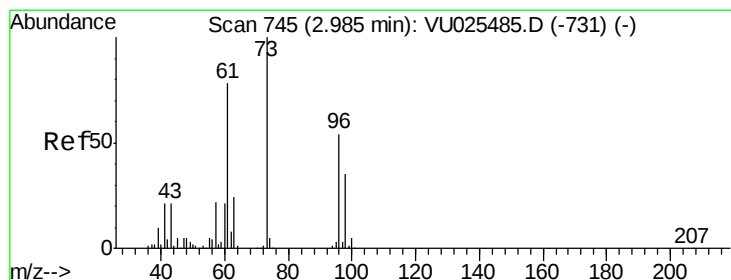
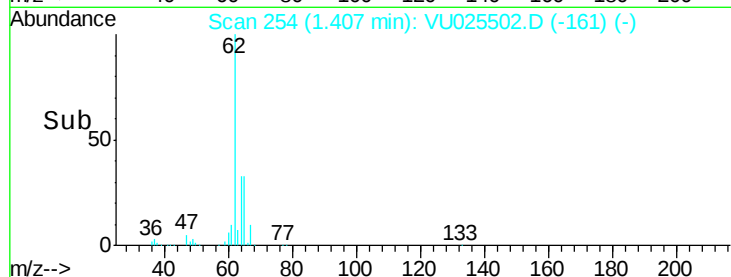
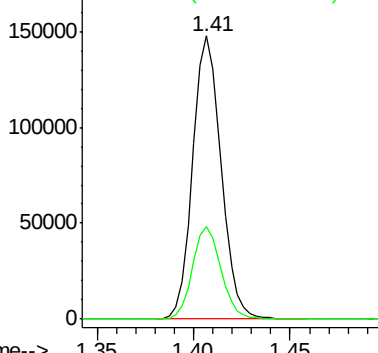
62 100

64 32.7 22.7 42.1



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: 93.01 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU025502.D

Acq: 18 Jul 2018 17:11

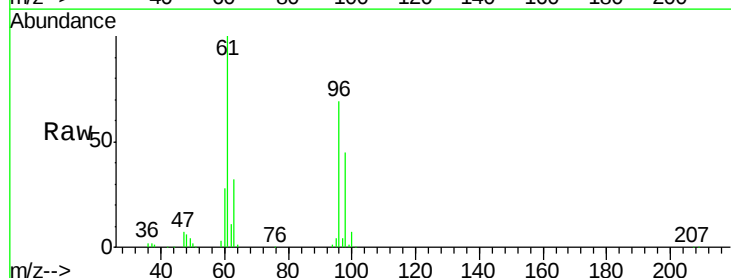
Tgt Ion: 96 Resp: 189026

Ion Ratio Lower Upper

96 100

61 144.5 103.6 192.4

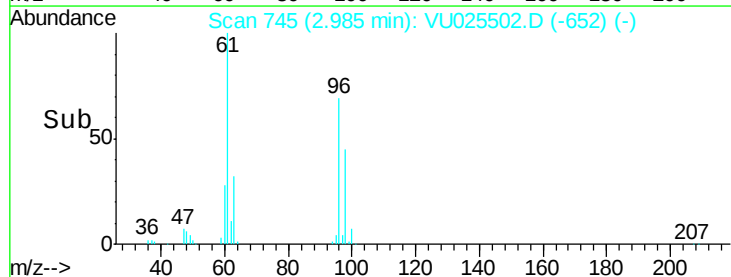
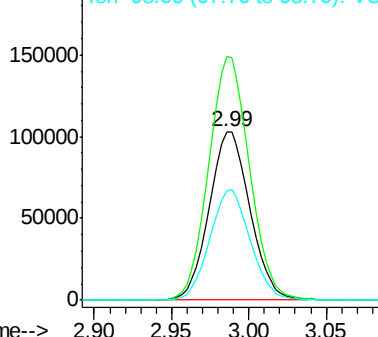
98 64.7 44.8 83.2

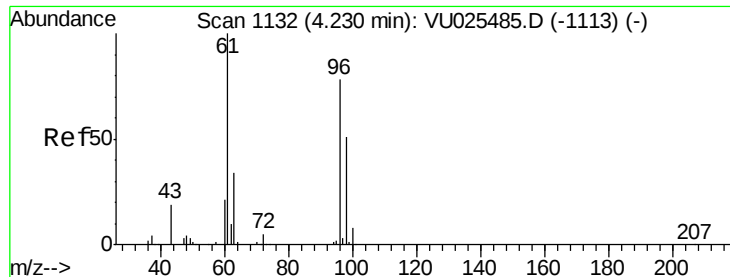


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#20

cis-1,2-Dichloroethene

Concen: 292.35 ug/L

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU025502.D

Acq: 18 Jul 2018 17:11

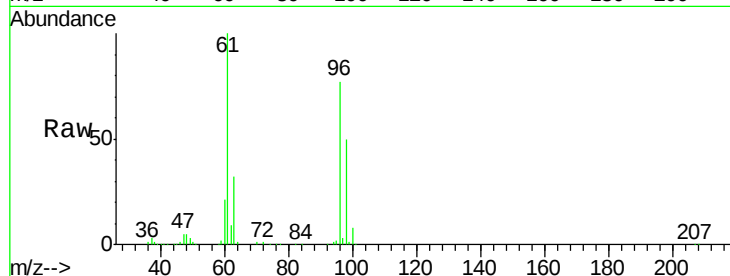
Tot Ion: 96 Resp: 727443

Ion Ratio Lower Upper

96 100

61 129.3 91.7 170.3

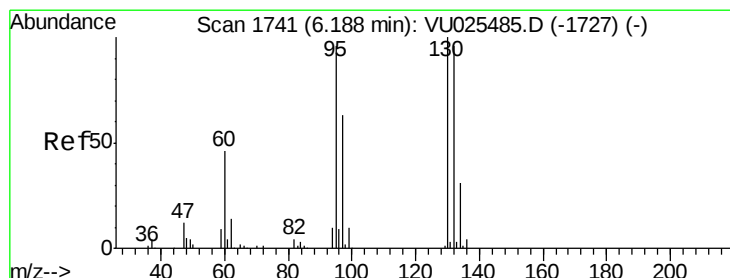
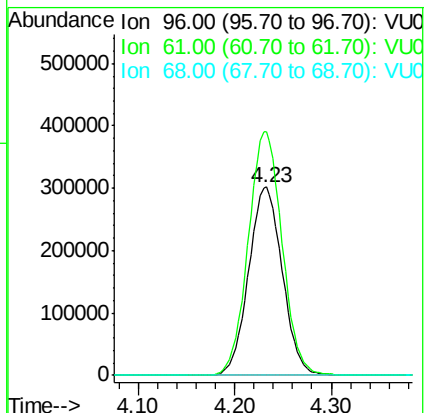
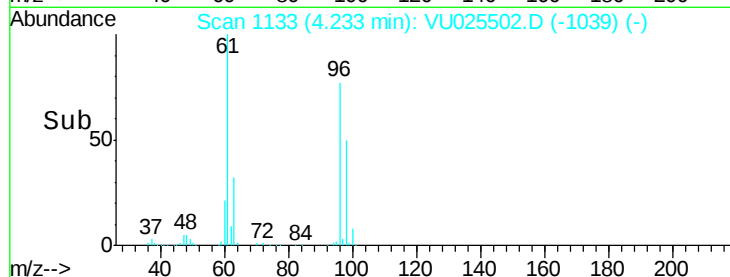
68 0.0 0.0 0.0



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: 114.69 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025502.D

Acq: 18 Jul 2018 17:11

Tgt Ion: 95 Resp: 257084

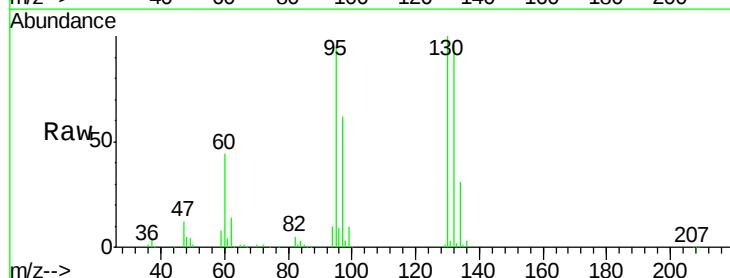
Ion Ratio Lower Upper

95 100

97 65.2 45.9 85.3

132 100.4 68.2 126.6

130 104.8 71.8 133.4

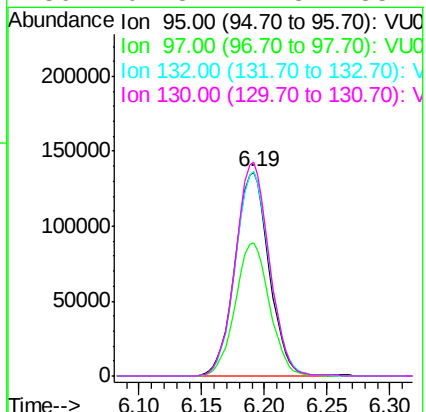
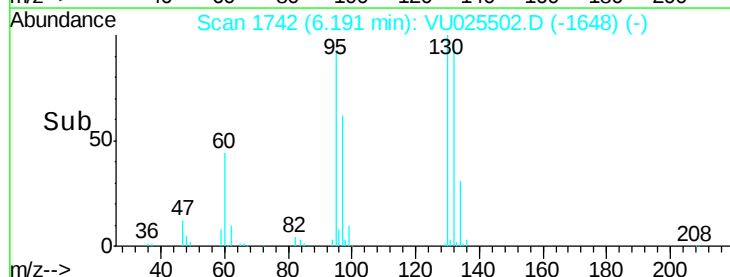


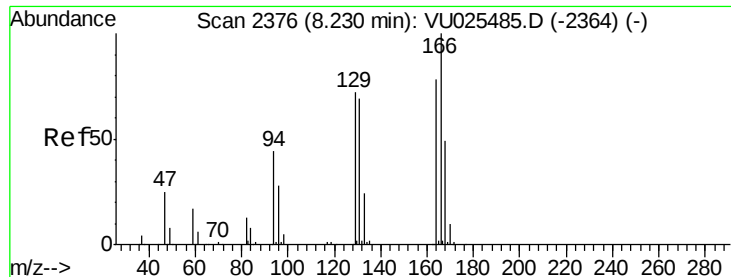
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

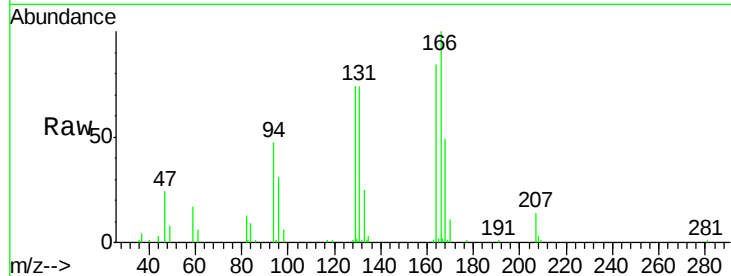
Ion 130.00 (129.70 to 130.70): V





#46
 Tetrachloroethene
 Concen: 11.27 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. 0.00 min
 Lab File: VU025502.D
 Acq: 18 Jul 2018 17:11

Tot Ion:	164	Resp:	21076
Ion	Ratio	Lower	Upper
164	100		
129	87.7	66.5	123.5
131	88.2	63.7	118.3
166	119.2	90.8	168.6



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

