

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062219\
 Data File : VU032982.D
 Acq On : 22 Jun 2019 06:35
 Operator : JC/SP
 Sample : K3464-20
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETF59

Quant Time: Jun 24 02:27:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jun 24 02:01:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	197497	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	190950	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	92138	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	48689	36.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.14%
7) Chloroethane-d5	1.68	69	45344	42.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.24%
11) 1,1-Dichloroethene-d2	2.26	63	81772	30.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.14%
21) 2-Butanone-d5	4.17	46	125759	111.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.94%
24) Chloroform-d	4.64	84	121520	46.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.62%
26) 1,2-Dichloroethane-d4	5.30	65	87254	49.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.84%
32) Benzene-d6	5.33	84	226469	45.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.00%
36) 1,2-Dichloropropane-d6	6.32	67	75833	47.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.64%
41) Toluene-d8	7.56	98	205248	44.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.06%
43) trans-1,3-Dichloropropene-	7.84	79	33708	40.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.74%
47) 2-Hexanone-d5	8.31	63	72455	97.86	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.86%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	116645	47.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.16%
64) 1,2-Dichlorobenzene-d4	11.86	152	83413	46.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.56%

Target Compounds

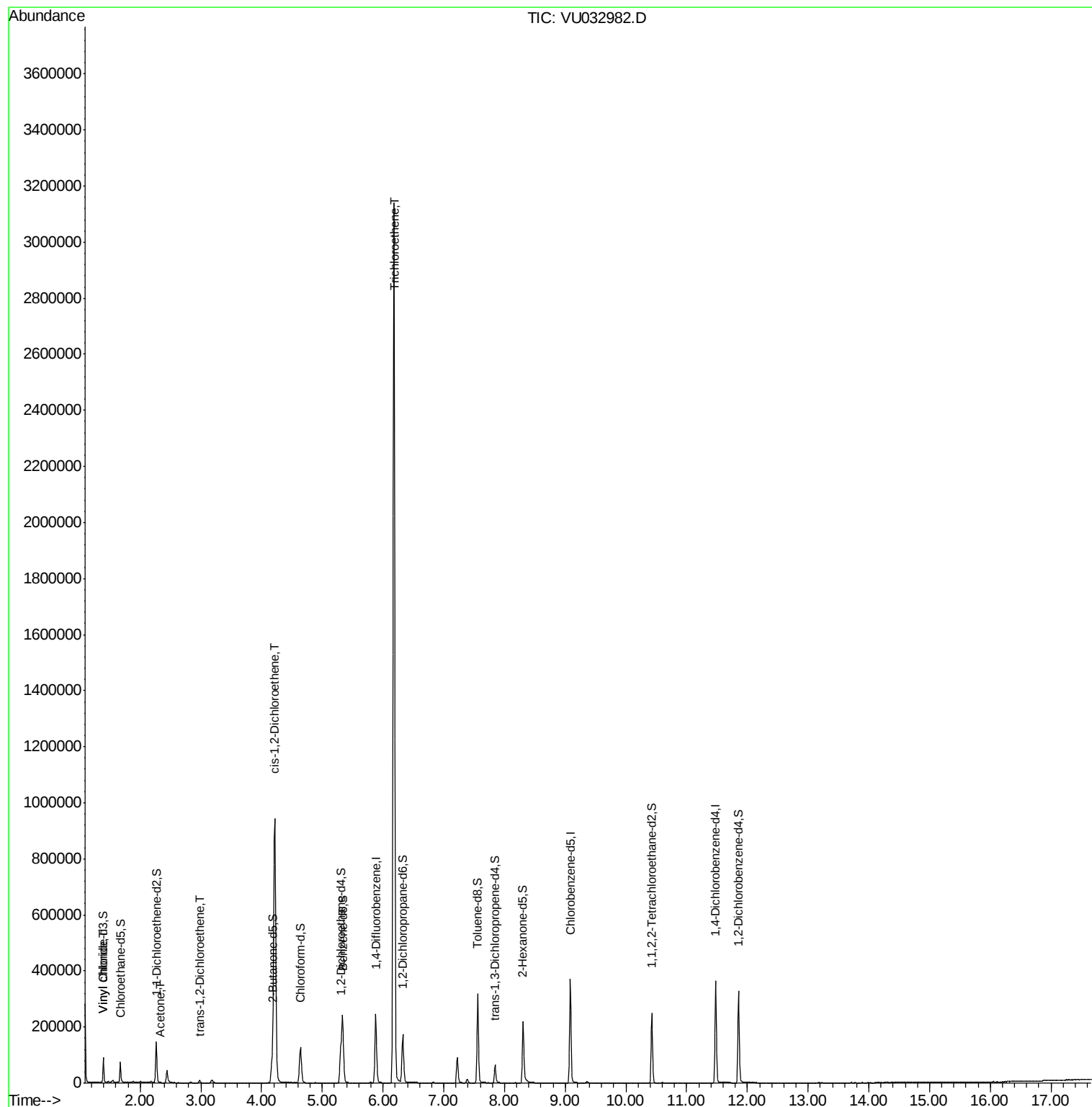
					Ovalue
5) Vinyl chloride	1.40	62	5872	3.274 ug/L	86
13) Acetone	2.32	43	1959	1.263 ug/L	83
17) trans-1,2-Dichloroethene	2.98	96	2934	2.175 ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	501115	341.068 ug/L	96
34) Trichloroethene	6.18	95	1026566	698.472 ug/L	98

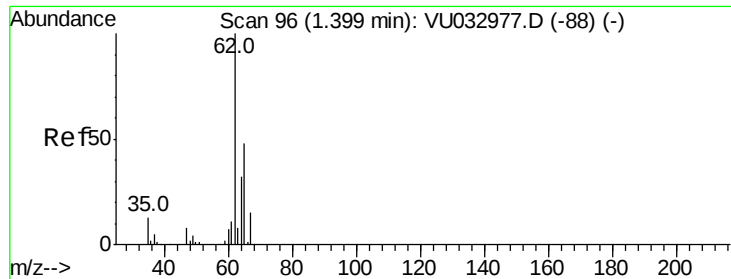
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 3.274 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU032982.D

Acq: 22 Jun 2019 06:35

Instrument :

MSVOA_U

ClientSampled :

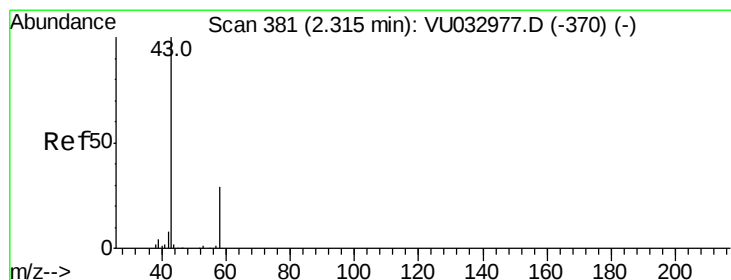
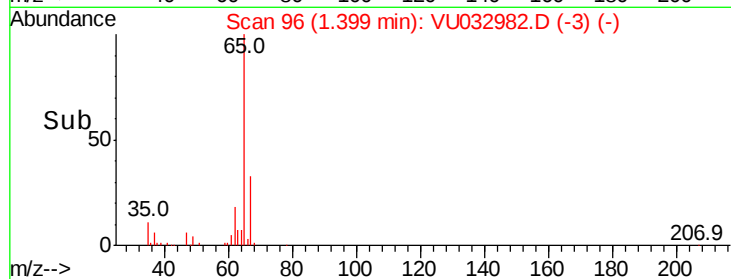
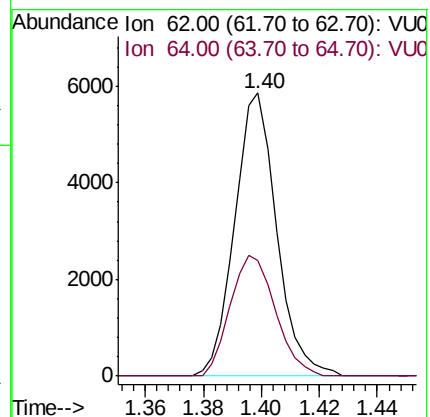
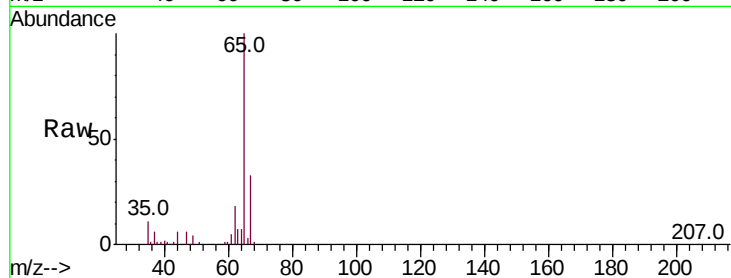
ETF59

Tot Ion: 62 Resp: 5872

Ion Ratio Lower Upper

62 100

64 40.7 23.0 42.6



#13

Acetone

Concen: 1.263 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU032982.D

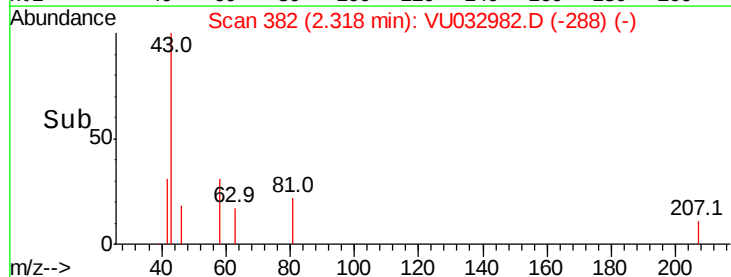
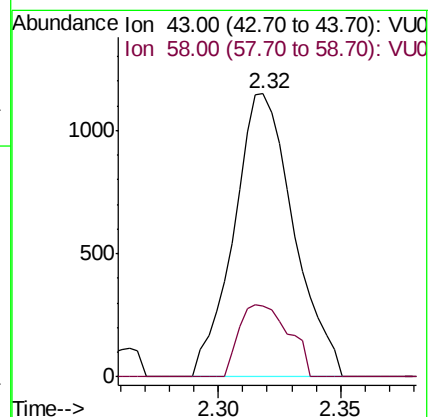
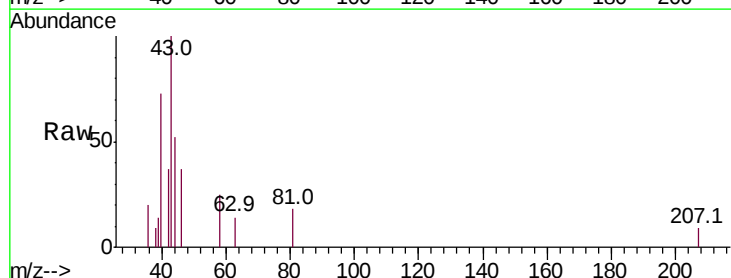
Acq: 22 Jun 2019 06:35

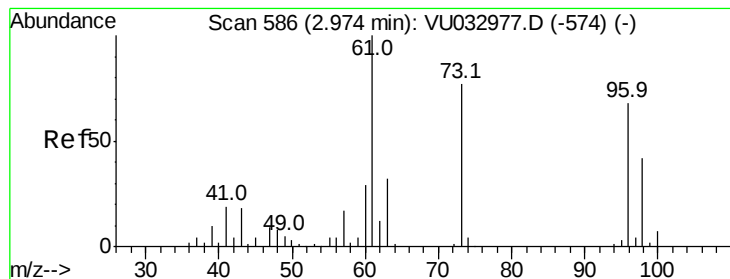
Tgt Ion: 43 Resp: 1959

Ion Ratio Lower Upper

43 100

58 21.2 0.0 60.6





#17

trans-1,2-Dichloroethene

Concen: 2.175 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU032982.D

Acq: 22 Jun 2019 06:35

Instrument :

MSVOA_U

ClientSampleId :

ETF59

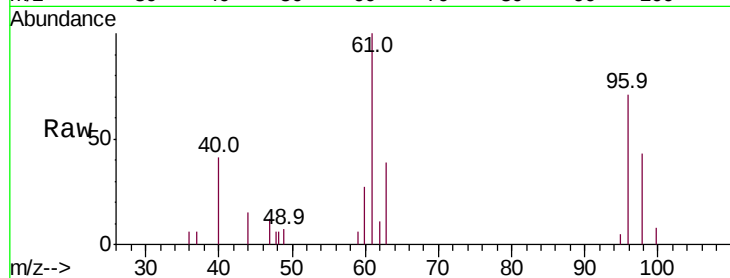
Tot Ion: 96 Resp: 2934

Ion Ratio Lower Upper

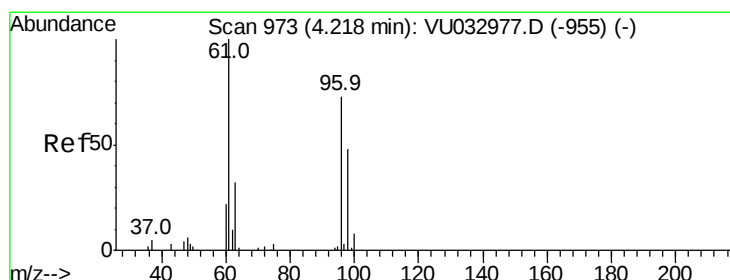
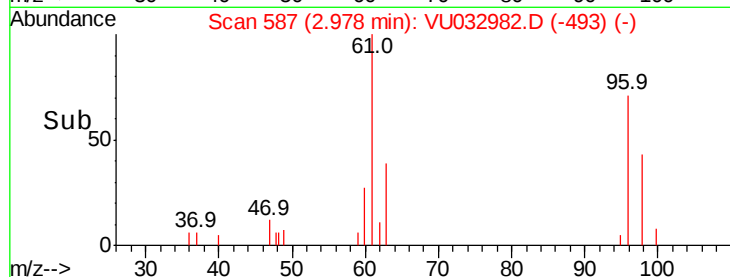
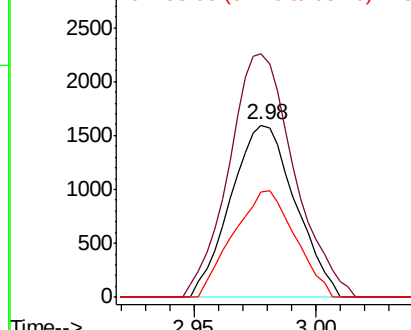
96 100

61 141.2 100.9 187.5

98 61.4 44.0 81.8



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: 341.068 ug/L

RT: 4.22 min Scan# 972

Delta R.T. -0.00 min

Lab File: VU032982.D

Acq: 22 Jun 2019 06:35

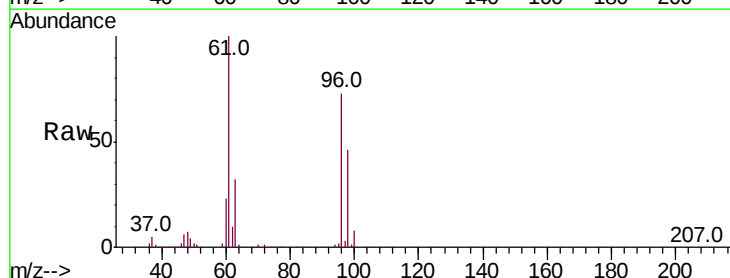
Tgt Ion: 96 Resp: 501115

Ion Ratio Lower Upper

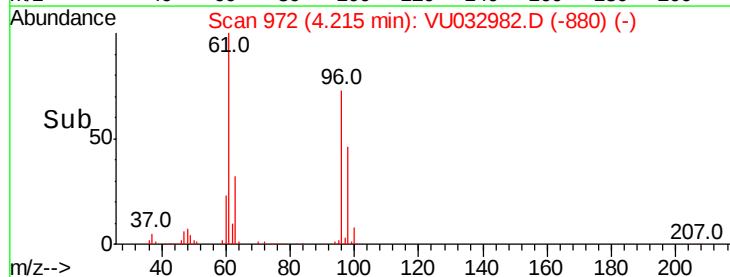
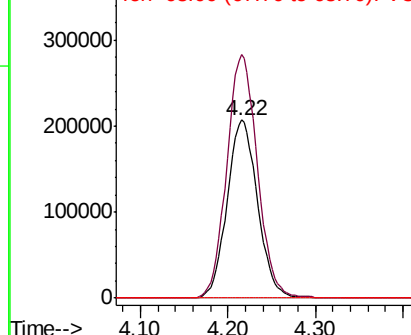
96 100

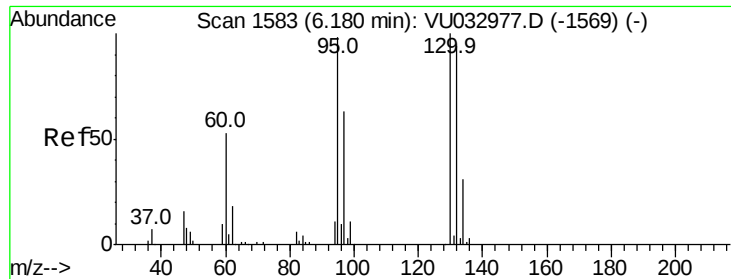
61 136.9 92.4 171.6

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



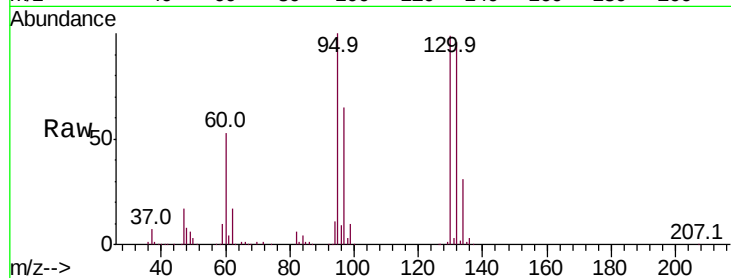


#34
 Trichloroethene
 Concen: 698.472 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU032982.D
 Acq: 22 Jun 2019 06:35

Instrument :
 MSVOA_U
 ClientSampleId :
 ETF59

Tot Ion: 95 Resp: 1026566

Ion	Ratio	Lower	Upper
95	100		
97	64.6	45.9	85.3
132	95.7	68.5	127.3
130	98.8	70.8	131.4



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

