

Data File : VU028816.D
Acq On : 20 Dec 2018 11:54
Operator : MD/SY
Sample : VU1220WBL01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VBLK58

Quant Time: Dec 21 03:55:04 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 03:50:07 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	194972	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	183992	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	76756	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	78470	50.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.40%
7) Chloroethane-d5	1.67	69	60692	50.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.54%
11) 1,1-Dichloroethene-d2	2.27	63	100915	38.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.78%
21) 2-Butanone-d5	4.17	46	111643	101.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.95%
24) Chloroform-d	4.65	84	122393	49.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	5.31	65	77929	51.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.86%
32) Benzene-d6	5.34	84	273706	52.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.32%
36) 1,2-Dichloropropane-d6	6.33	67	94031	53.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.50%
41) Toluene-d8	7.56	98	245524	52.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.24%
43) trans-1,3-Dichloropropene-	7.85	79	41166	52.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.06%
47) 2-Hexanone-d5	8.31	63	88191	105.15	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.15%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	121015	49.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	83043	53.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.98%

Target Compounds

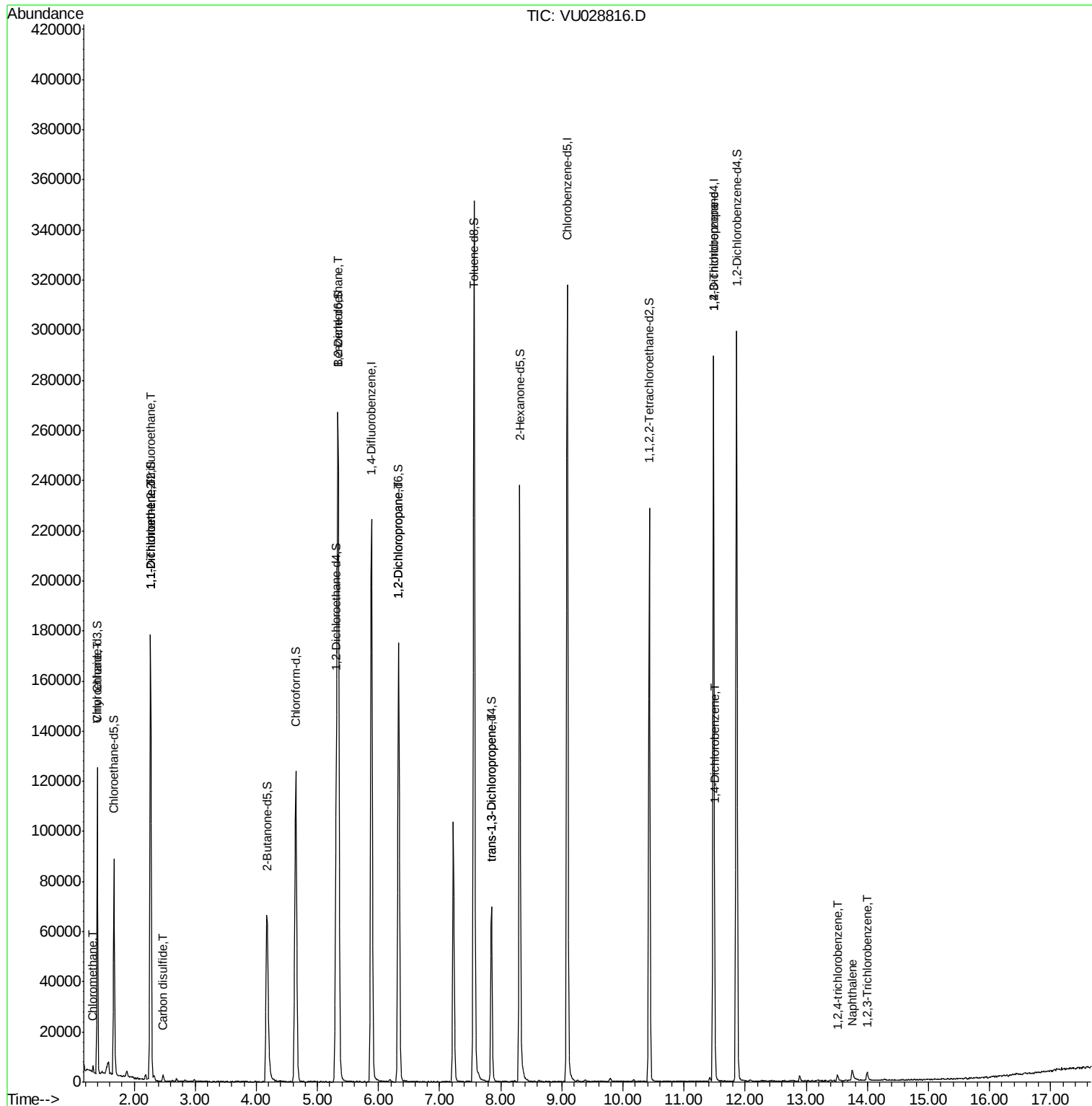
					Qvalue
3) Chloromethane	1.33	50	2214	1.024 ug/L	87
8) Chloroethane	1.40	64	1260	1.156 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	970	0.768 ug/L #	20
12) 1,1-Dichloroethene	2.27	96	960	0.768 ug/L #	1
14) Carbon disulfide	2.47	76	3119	0.714 ug/L #	93
27) 1,2-Dichloroethane	5.34	62	1370	0.736 ug/L #	74
37) 1,2-Dichloropropane	6.33	63	8851	5.405 ug/L #	90
44) trans-1,3-Dichloropropene	7.85	75	1773	0.852 ug/L	97
59) 1,2,3-Trichloropropane	11.48	75	9974	5.104 ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	1289	0.513 ug/L	86
68) 1,2,4-trichlorobenzene	13.51	180	1660	1.103 ug/L #	84
69) Naphthalene	13.75	128	6345	1.214 ug/L #	87
70) 1,2,3-Trichlorobenzene	14.00	180	1982	1.221 ug/L #	80

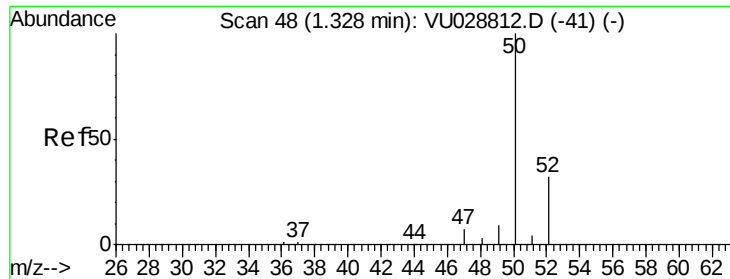
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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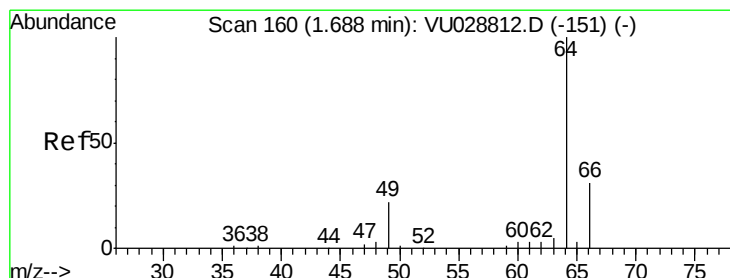
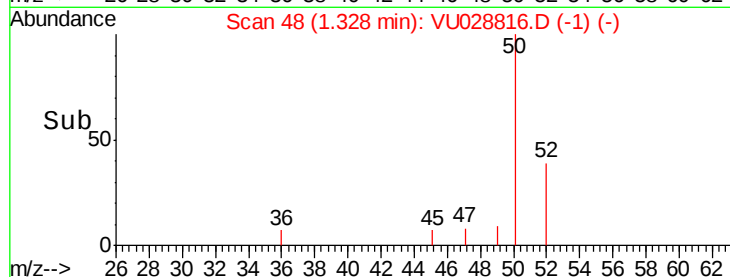
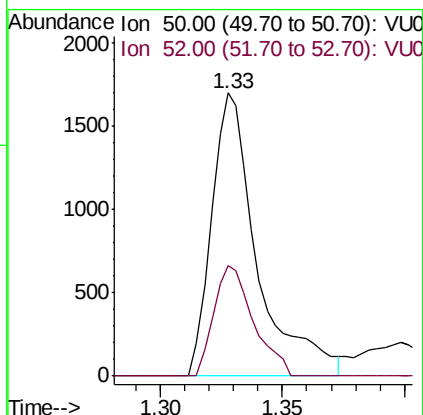
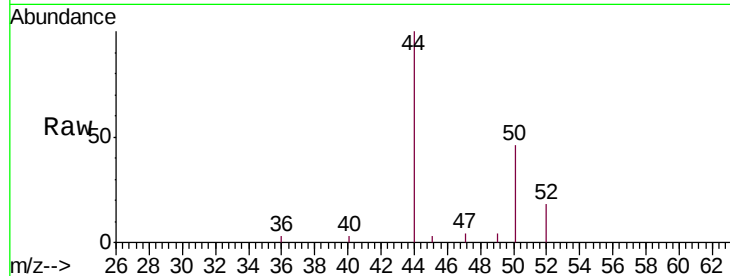




#3
Chloromethane
Concen: 1.024 ug/L
RT: 1.33 min Scan# 48
Delta R.T. -0.00 min
Lab File: VU028816.D
Acq: 20 Dec 2018 11:54

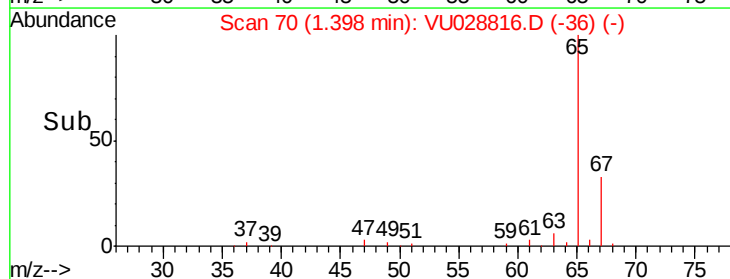
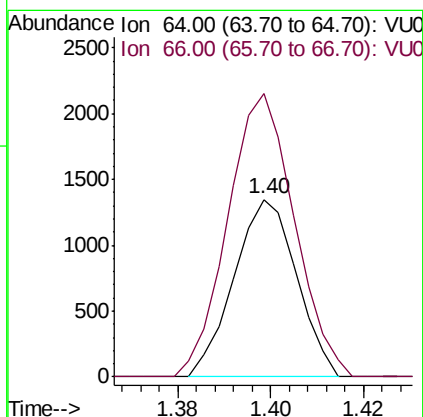
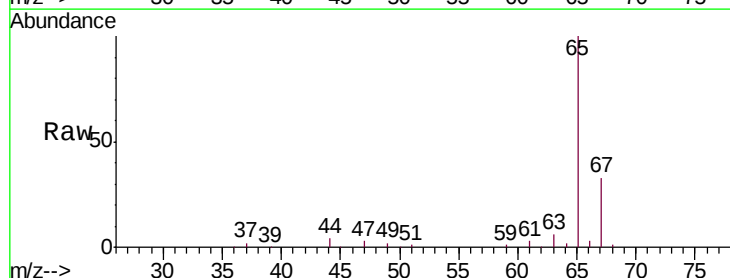
Instrument :
MSVOA_U
ClientSampleId :
VBLK58

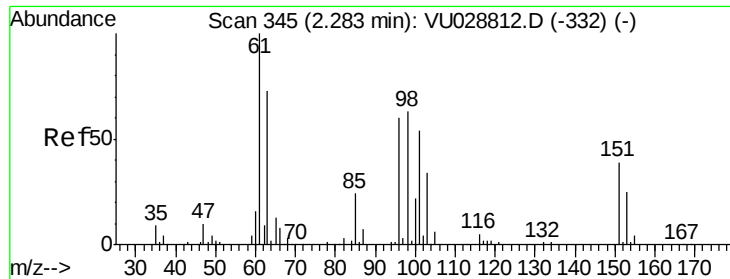
Tgt Ion: 50 Resp: 2214
Ion Ratio Lower Upper
50 100
52 39.1 22.3 41.3



#8
Chloroethane
Concen: 1.156 ug/L
RT: 1.40 min Scan# 70
Delta R.T. -0.29 min
Lab File: VU028816.D
Acq: 20 Dec 2018 11:54

Tgt Ion: 64 Resp: 1260
Ion Ratio Lower Upper
64 100
66 159.6 21.5 39.9#





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.768 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU028816.D

Acq: 20 Dec 2018 11:54

Instrument :

MSVOA_U

ClientSampleId :

VBLK58

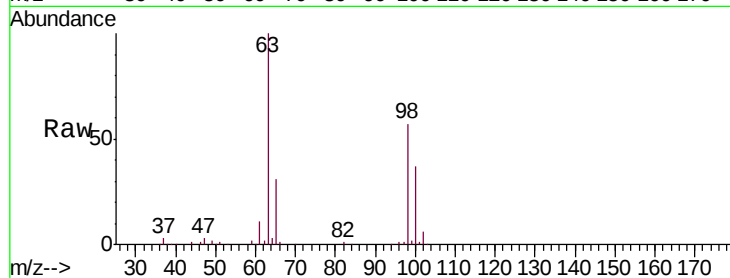
Tgt Ion: 101 Resp: 970

Ion Ratio Lower Upper

101 100

85 0.0 33.8 50.6#

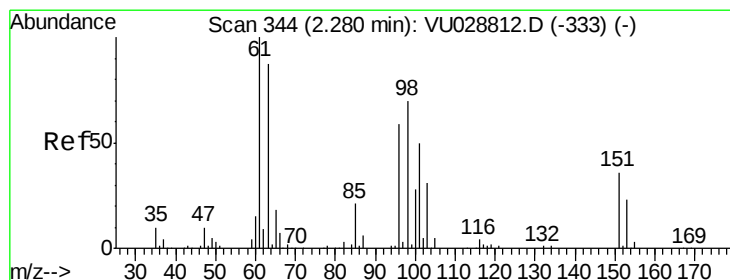
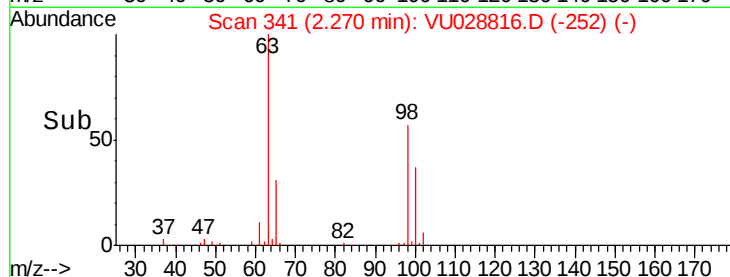
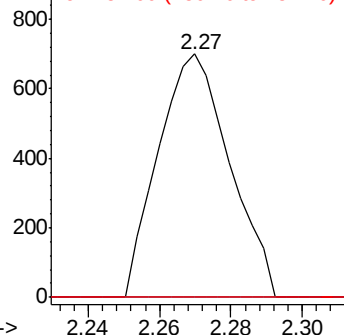
151 0.0 59.4 89.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.768 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU028816.D

Acq: 20 Dec 2018 11:54

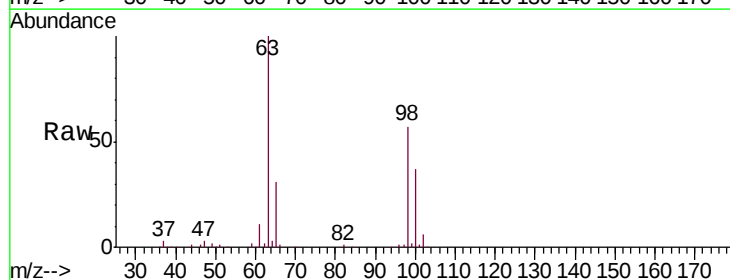
Tgt Ion: 96 Resp: 960

Ion Ratio Lower Upper

96 100

61 1070.9 119.3 221.5#

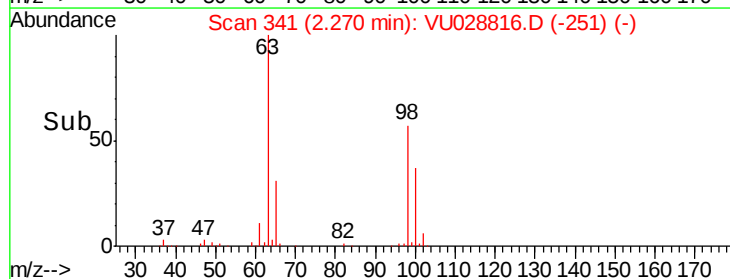
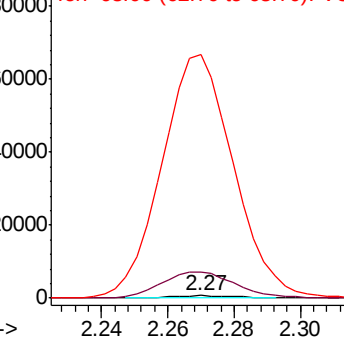
63 9918.6 107.4 199.6#

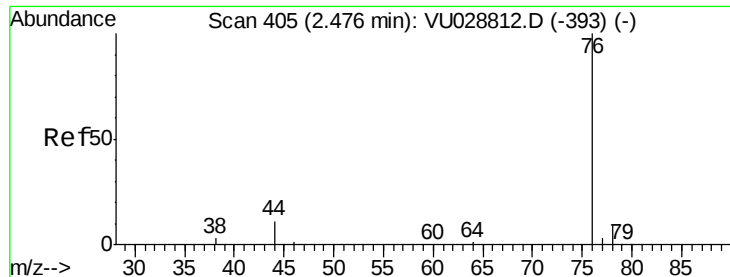


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#14

Carbon disulfide

Concen: 0.714 ug/L

RT: 2.47 min Scan# 404

Delta R.T. -0.00 min

Lab File: VU028816.D

Acq: 20 Dec 2018 11:54

Instrument :

MSVOA_U

ClientSampleId :

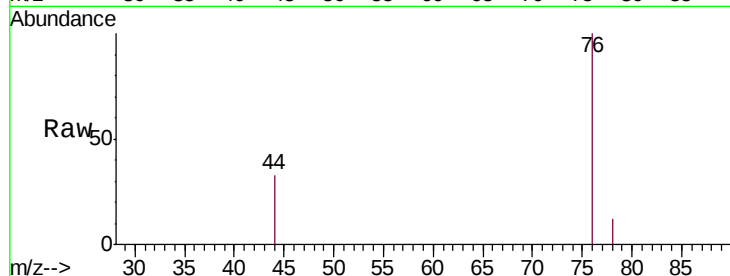
VBLK58

Tgt Ion: 76 Resp: 3119

Ion Ratio Lower Upper

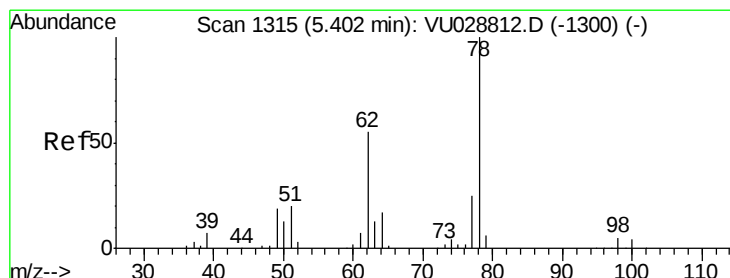
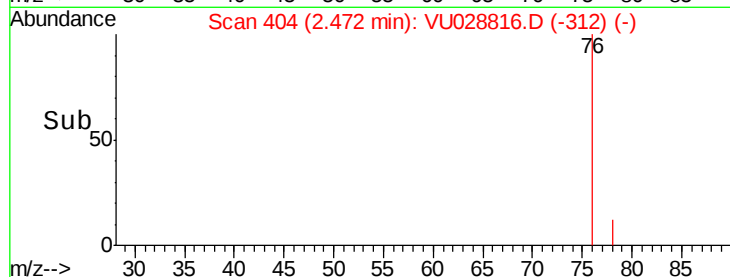
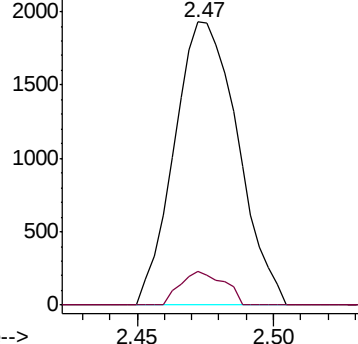
76 100

78 11.8 7.4 11.0#



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0



#27

1,2-Dichloroethane

Concen: 0.736 ug/L

RT: 5.34 min Scan# 1296

Delta R.T. -0.06 min

Lab File: VU028816.D

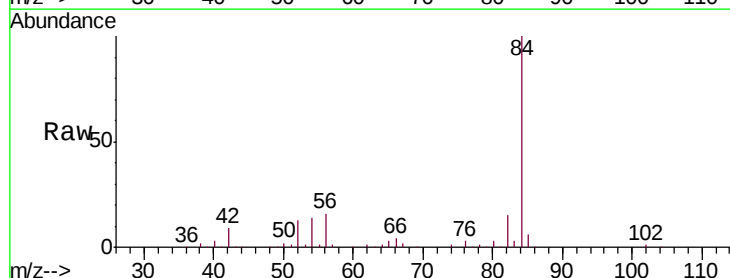
Acq: 20 Dec 2018 11:54

Tgt Ion: 62 Resp: 1370

Ion Ratio Lower Upper

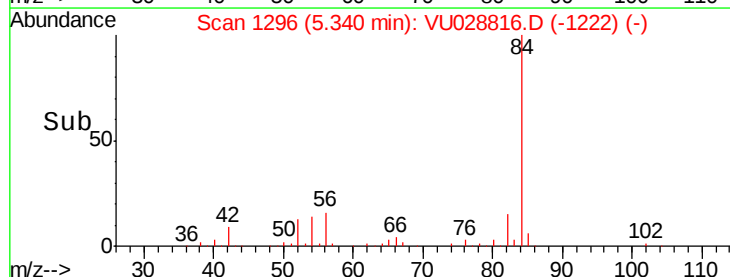
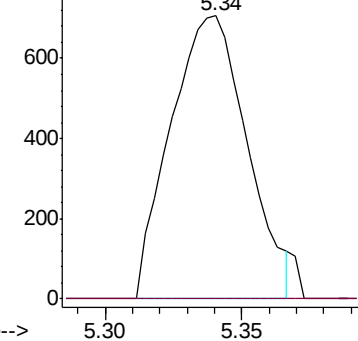
62 100

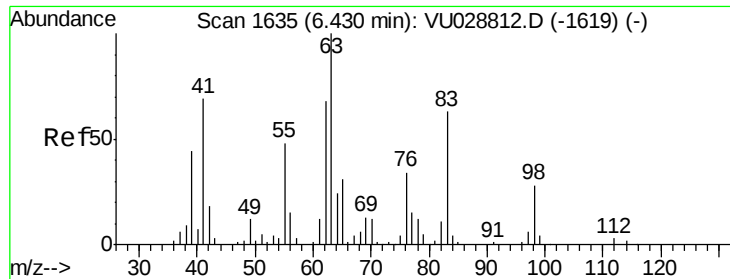
98 0.0 7.5 11.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

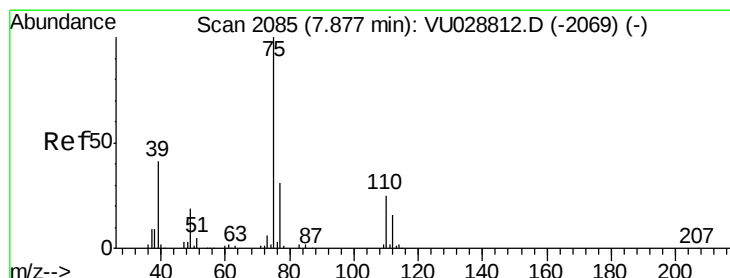
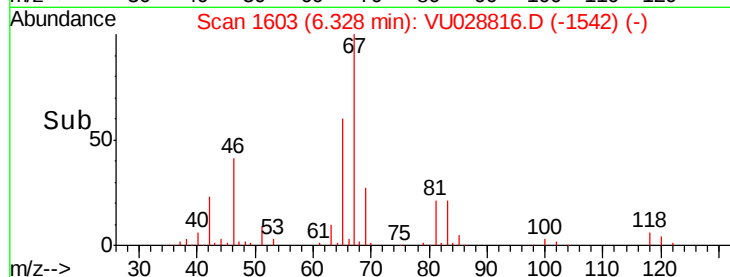
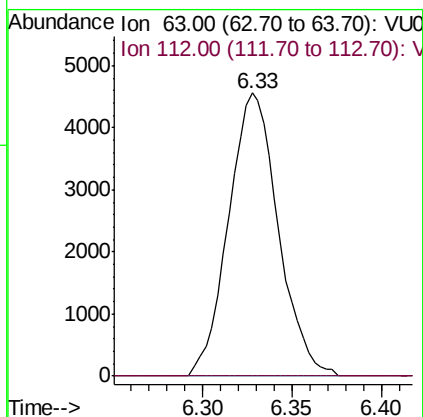
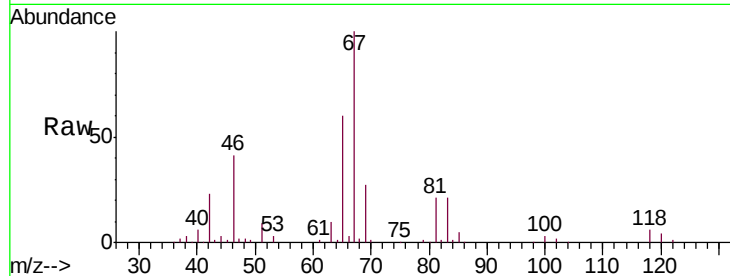




#37
 1,2-Dichloropropane
 Concen: 5.405 ug/L
 RT: 6.33 min Scan# 1603
 Delta R.T. -0.10 min
 Lab File: VU028816.D
 Acq: 20 Dec 2018 11:54

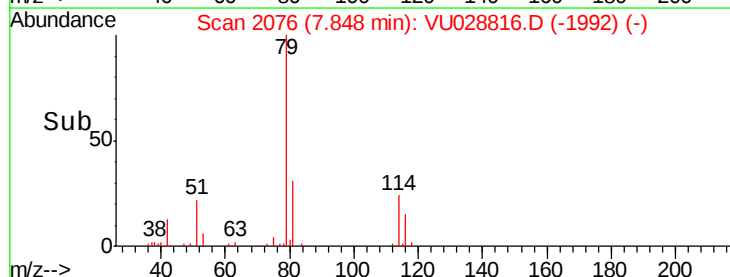
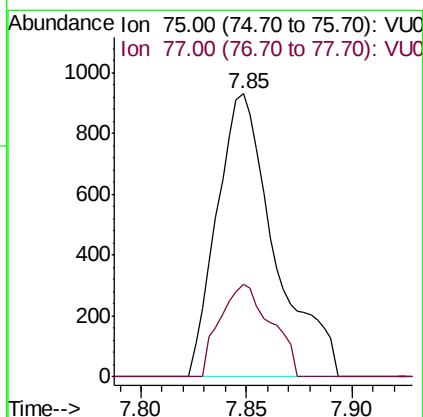
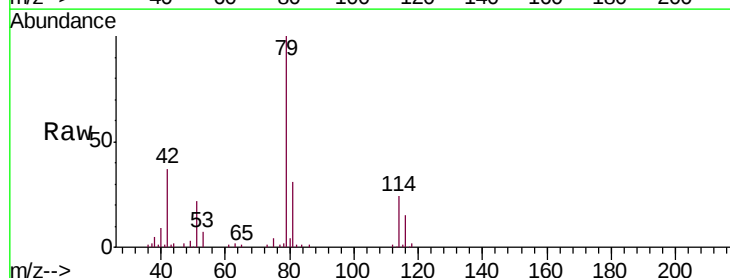
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK58

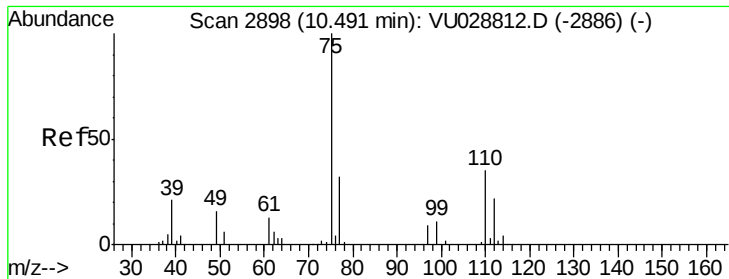
Tgt Ion: 63 Resp: 8851
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.7 4.1#



#44
 trans-1,3-Dichloropropene
 Concen: 0.852 ug/L
 RT: 7.85 min Scan# 2076
 Delta R.T. -0.03 min
 Lab File: VU028816.D
 Acq: 20 Dec 2018 11:54

Tgt Ion: 75 Resp: 1773
 Ion Ratio Lower Upper
 75 100
 77 32.8 21.8 40.6





#59

1,2,3-Trichloropropane

Concen: 5.104 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028816.D

Acq: 20 Dec 2018 11:54

Instrument :

MSVOA_U

ClientSampleId :

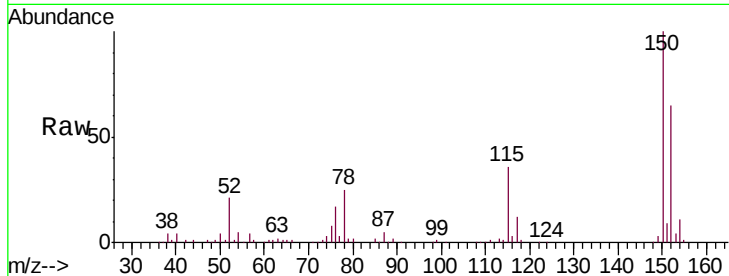
VBLK58

Tgt Ion: 75 Resp: 9974

Ion Ratio Lower Upper

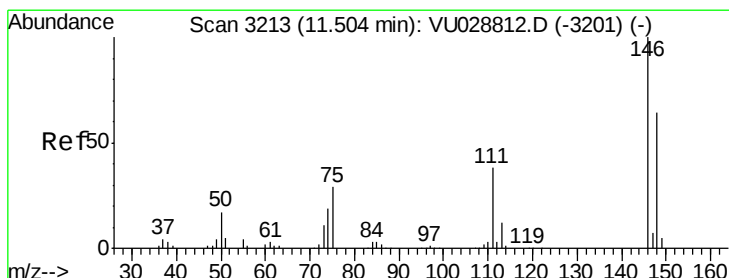
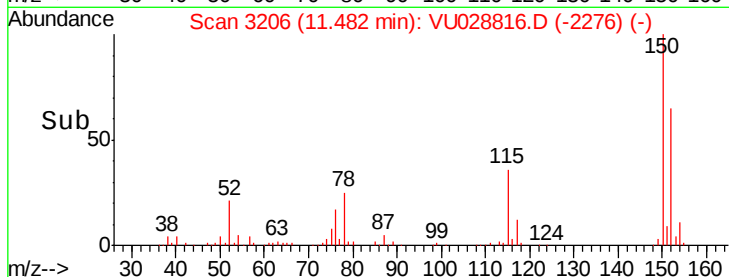
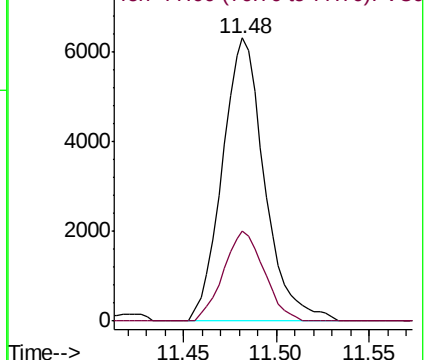
75 100

77 30.6 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#63

1,4-Dichlorobenzene

Concen: 0.513 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU028816.D

Acq: 20 Dec 2018 11:54

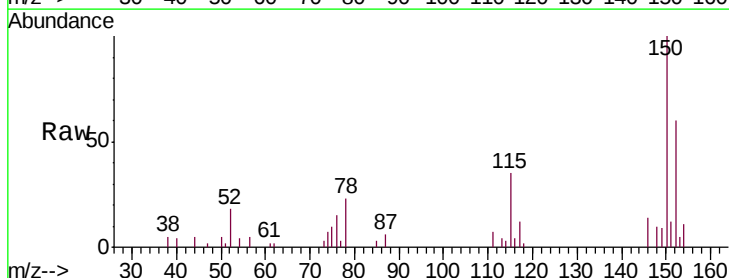
Tgt Ion: 146 Resp: 1289

Ion Ratio Lower Upper

146 100

111 48.1 26.5 49.1

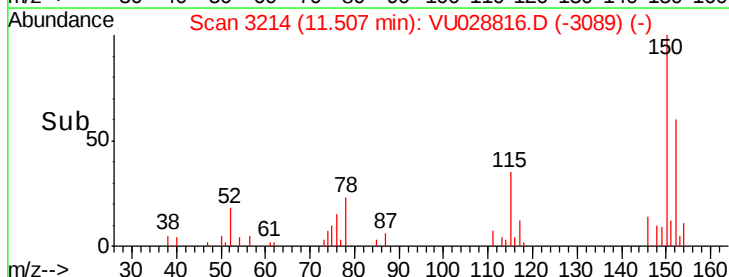
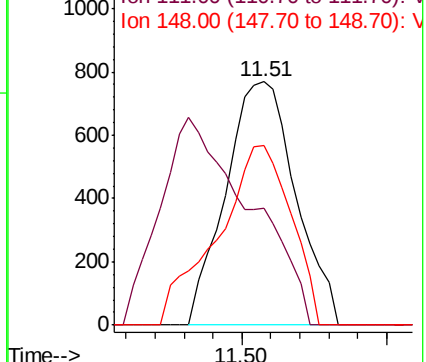
148 73.7 45.1 83.9

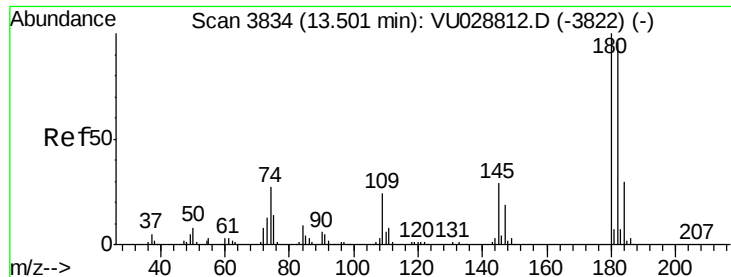


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

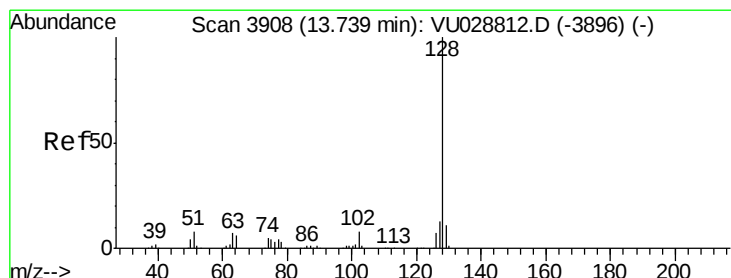
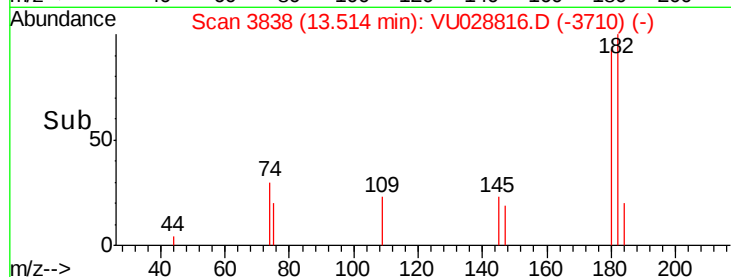
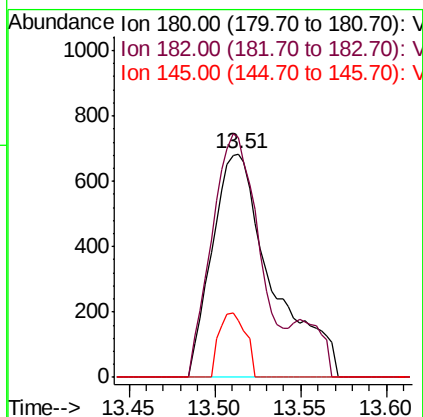
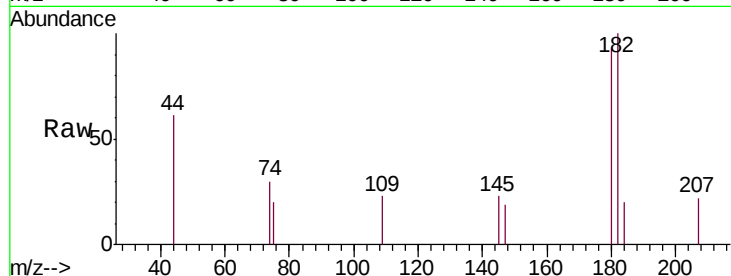




#68
 1,2,4-trichlorobenzene
 Concen: 1.103 ug/L
 RT: 13.51 min Scan# 3838
 Delta R.T. 0.01 min
 Lab File: VU028816.D
 Acq: 20 Dec 2018 11:54

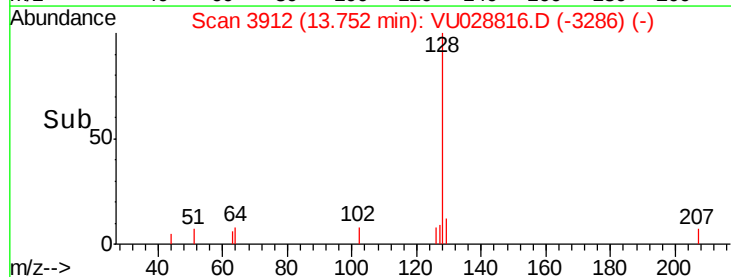
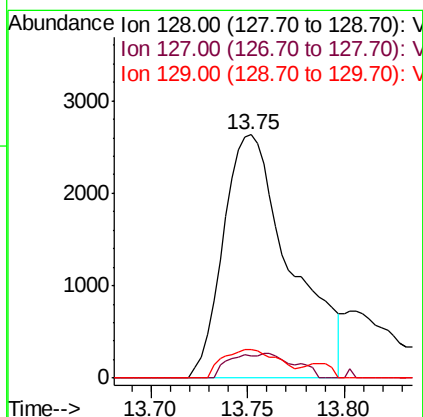
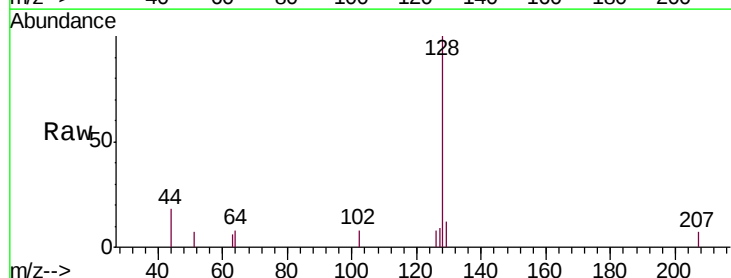
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK58

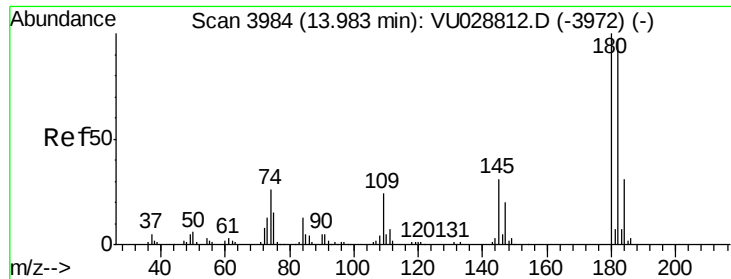
Tgt Ion:180 Resp: 1660
 Ion Ratio Lower Upper
 180 100
 182 85.1 77.4 116.0
 145 12.9 23.5 35.3#



#69
 Naphthalene
 Concen: 1.214 ug/L
 RT: 13.75 min Scan# 3912
 Delta R.T. 0.01 min
 Lab File: VU028816.D
 Acq: 20 Dec 2018 11:54

Tgt Ion:128 Resp: 6345
 Ion Ratio Lower Upper
 128 100
 127 4.6 10.5 15.7#
 129 9.7 8.7 13.1

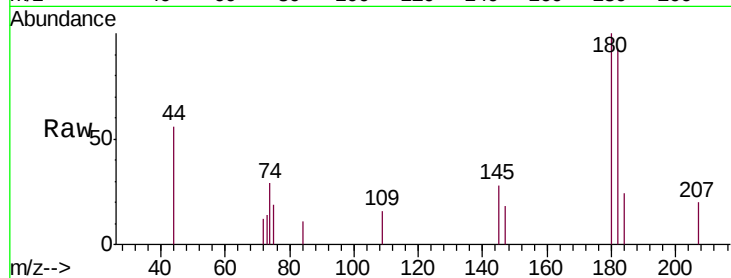




#70
 1,2,3-Trichlorobenzene
 Concen: 1.221 ug/L
 RT: 14.00 min Scan# 3988
 Delta R.T. 0.01 min
 Lab File: VU028816.D
 Acq: 20 Dec 2018 11:54

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK58

Tgt Ion:180 Resp: 1982
 Ion Ratio Lower Upper
 180 100
 182 84.0 75.8 113.8
 145 4.5 24.5 36.7#



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

