

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122120\
 Data File : VU041714.D
 Acq On : 21 Dec 2020 22:32
 Operator : SY/MD
 Sample : L5162-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB249

Quant Time: Dec 22 06:03:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 22 05:59:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	128056	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	124751	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	55136	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	37282	3.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.40%
7) Chloroethane-d5	1.92	69	36007	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	2.58	63	56945	3.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.80%
20) 2-Butanone-d5	4.66	46	177734	61.80	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.60%
24) Chloroform-d	5.08	84	88276	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
26) 1,2-Dichloroethane-d4	5.72	65	51796	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.40%
32) Benzene-d6	5.74	84	168137	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.70	67	60343	5.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.80%
41) Toluene-d8	7.90	98	139870	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
43) trans-1,3-Dichloropropene-	8.19	79	22987	4.57	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.40%
46) 2-Hexanone-d5	8.64	63	151239	54.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.88%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	56977	5.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	55546	5.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.40%

Target Compounds

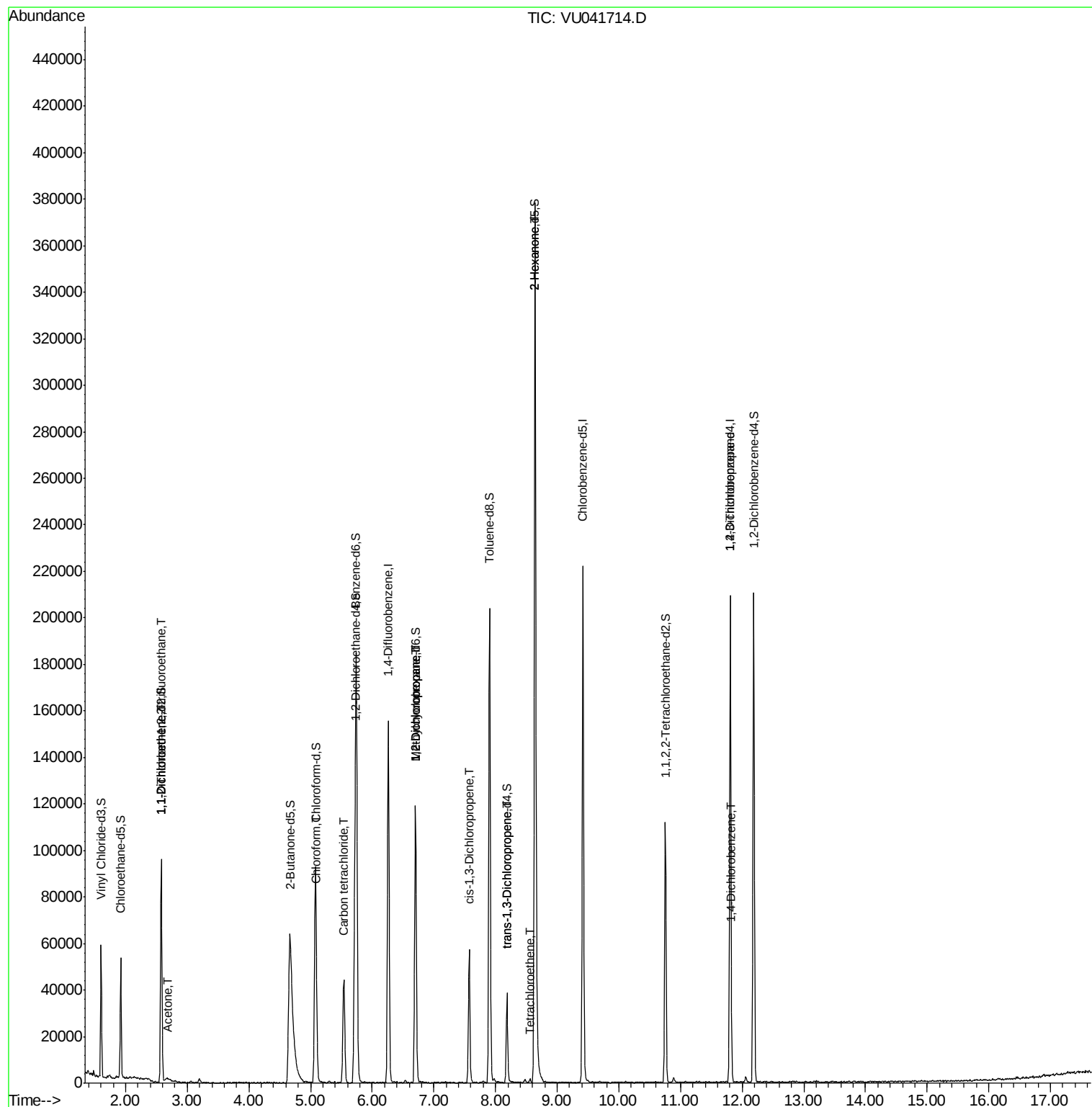
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	520	0.059	ug/L #	22
12) 1,1-Dichloroethene	2.58	96	473	0.054	ug/L #	1
13) Acetone	2.68	43	3609	1.973	ug/L	75
25) Chloroform	5.10	83	2453	0.145	ug/L	85
31) Carbon tetrachloride	5.54	117	31471	2.541	ug/L	96
35) Methylcyclohexane	6.70	83	13236	0.817	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	6247	0.612	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1236	0.082	ug/L #	77
44) trans-1,3-Dichloropropene	8.19	75	831	0.061	ug/L #	80
47) Tetrachloroethene	8.56	164	428	0.061	ug/L #	59
48) 2-Hexanone	8.64	43	17690	3.347	ug/L #	69
59) 1,2,3-Trichloropropane	11.81	75	6752	0.881	ug/L	99
63) 1,4-Dichlorobenzene	11.84	146	963	0.057	ug/L	93

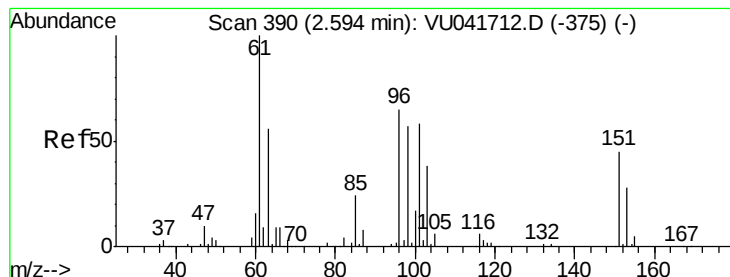
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.059 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041714.D

Acq: 21 Dec 2020 22:32

Instrument :

MSVOA_U

ClientSampleId :

GB249

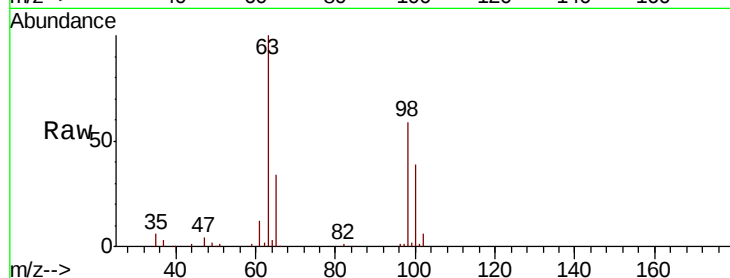
Tot Ion:101 Resp: 520

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

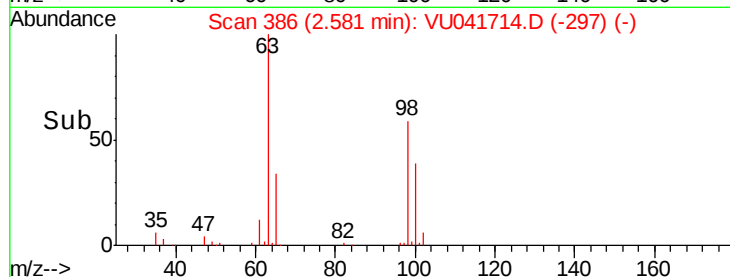
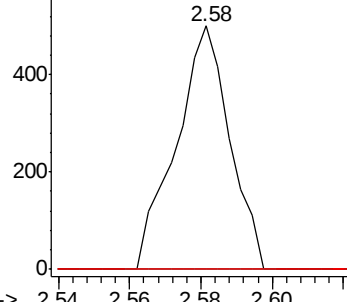
151 0.0 56.2 84.4#



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: 0.054 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU041714.D

Acq: 21 Dec 2020 22:32

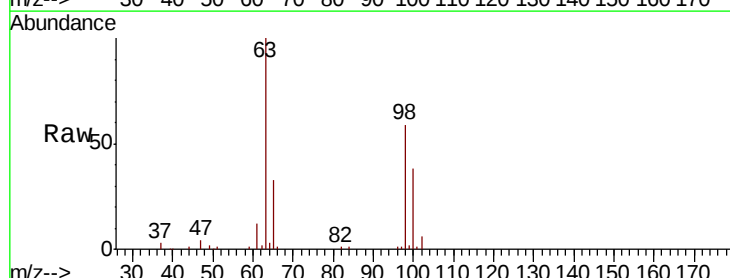
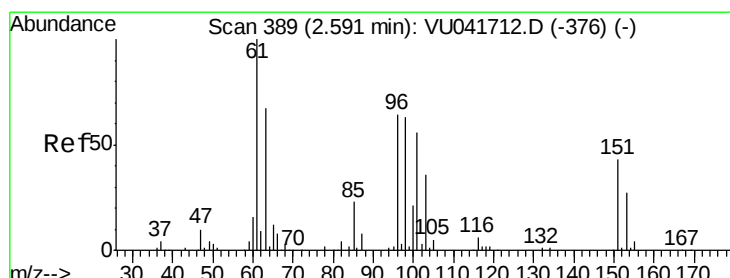
Tgt Ion: 96 Resp: 473

Ion Ratio Lower Upper

96 100

61 1372.5 123.8 230.0#

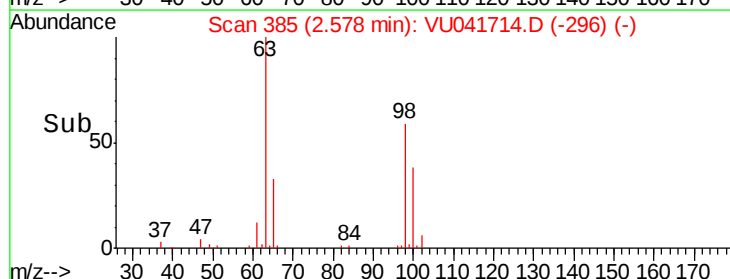
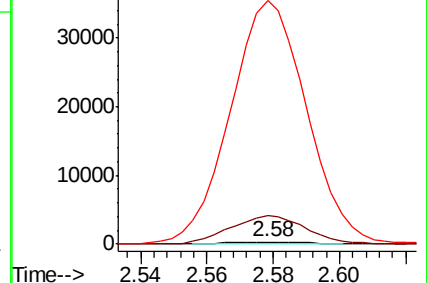
63 11584.3 81.0 150.4#

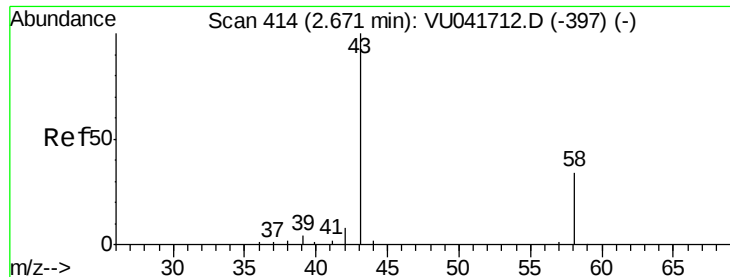


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.973 ug/L

RT: 2.68 min Scan# 416

Delta R.T. 0.01 min

Lab File: VU041714.D

Acq: 21 Dec 2020 22:32

Instrument :

MSVOA_U

ClientSampled :

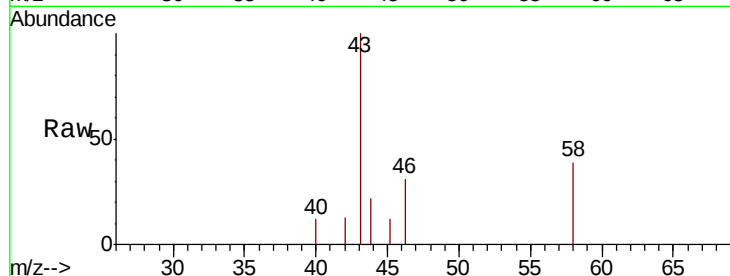
GB249

Tot Ion: 43 Resp: 3609

Ion Ratio Lower Upper

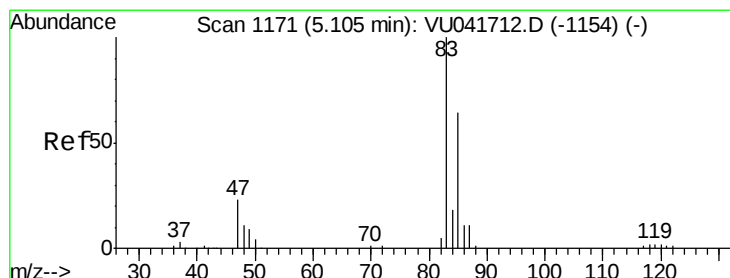
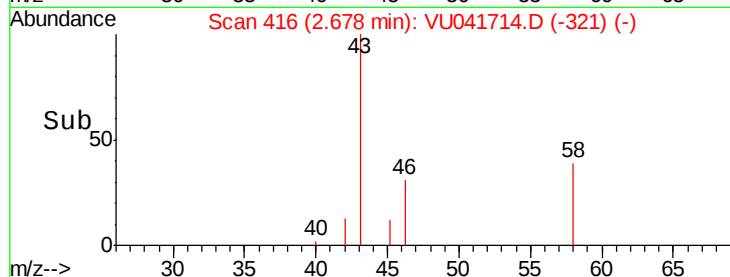
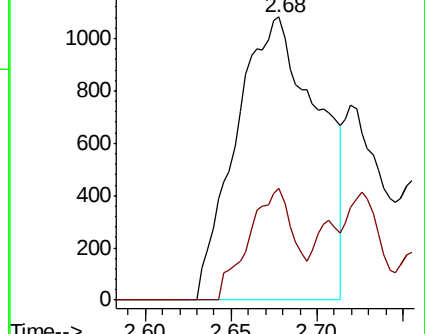
43 100

58 21.7 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU041712.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VU041712.D (-397) (-)



#25

Chloroform

Concen: 0.145 ug/L

RT: 5.10 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VU041714.D

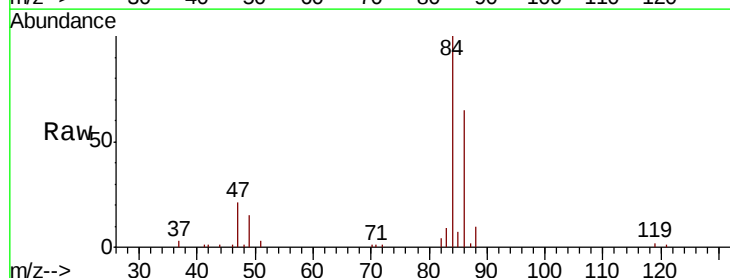
Acq: 21 Dec 2020 22:32

Tgt Ion: 83 Resp: 2453

Ion Ratio Lower Upper

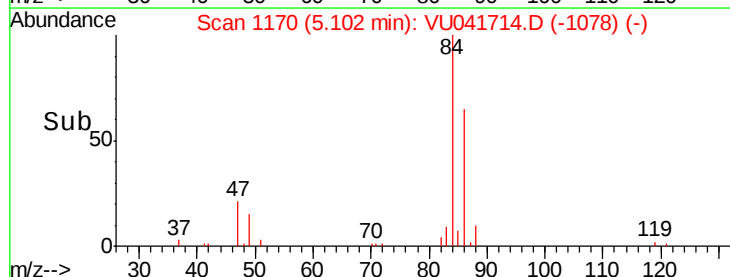
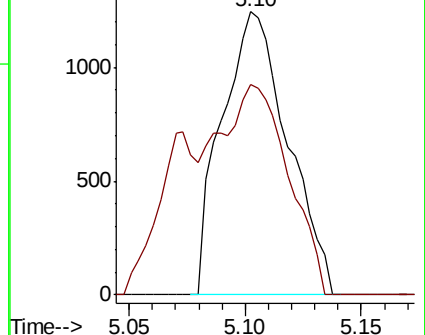
83 100

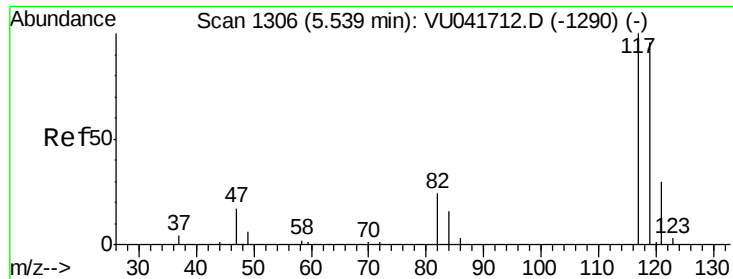
85 74.6 44.2 82.0



Abundance Ion 83.05 (82.75 to 83.75): VU041712.D (-1154) (-)

Ion 85.00 (84.70 to 85.70): VU041712.D (-1154) (-)

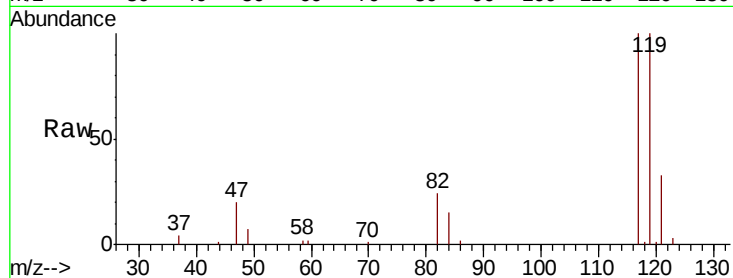




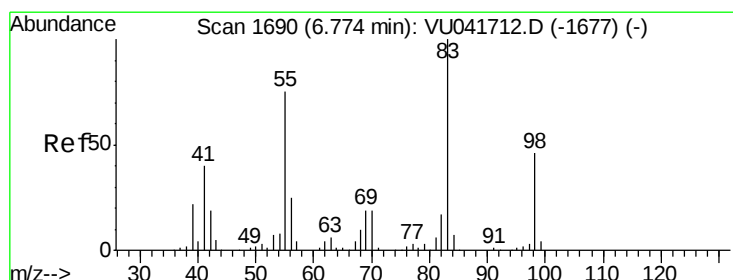
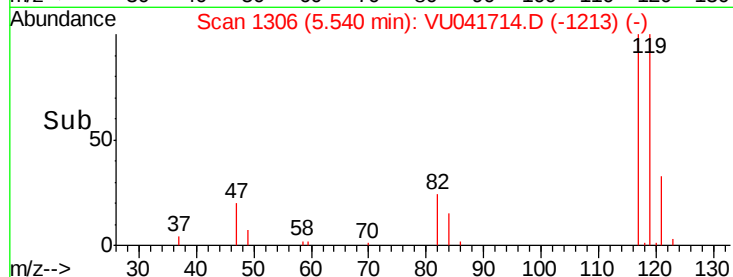
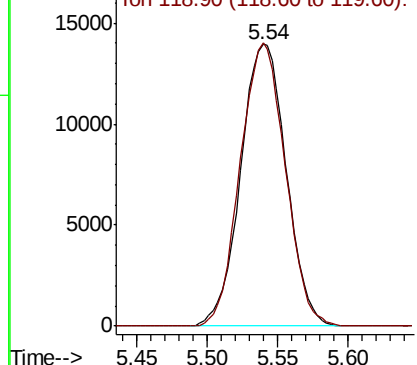
#31
Carbon tetrachloride
Concen: 2.541 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU041714.D
Acq: 21 Dec 2020 22:32

Instrument :
MSVOA_U
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GB249

Tot Ion:117 Resp: 31471
Ion Ratio Lower Upper
117 100
119 99.3 76.2 114.2

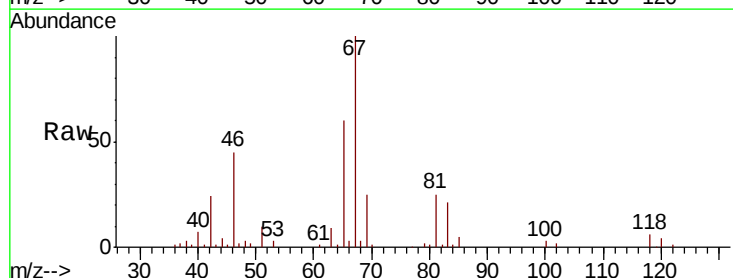


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

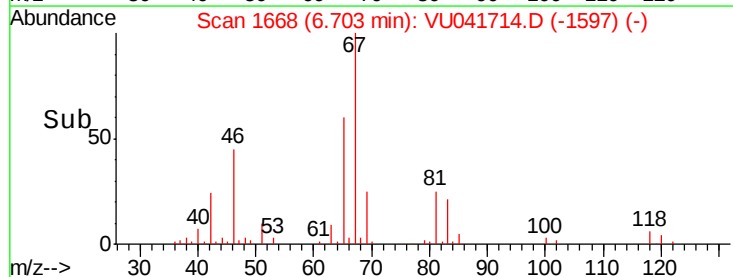
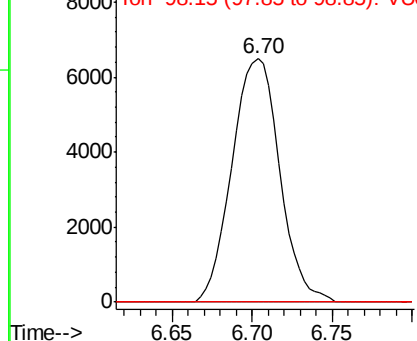


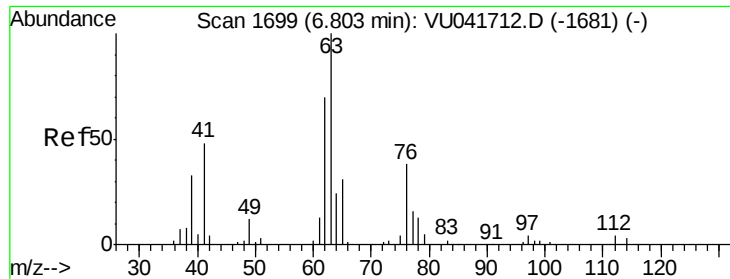
#35
Methylcyclohexane
Concen: 0.817 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041714.D
Acq: 21 Dec 2020 22:32

Tgt Ion: 83 Resp: 13236
Ion Ratio Lower Upper
83 100
55 0.0 61.2 91.8#
98 1.8 36.6 54.8#



Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

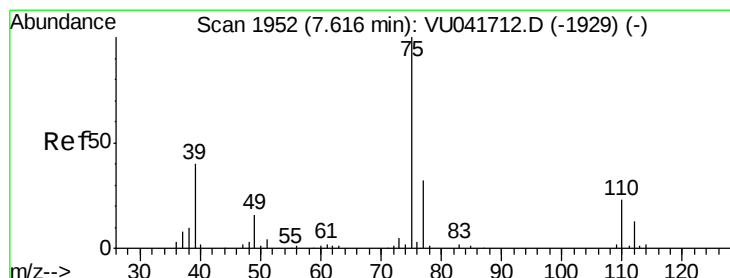
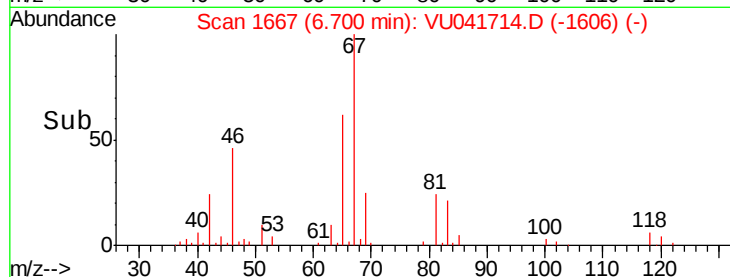
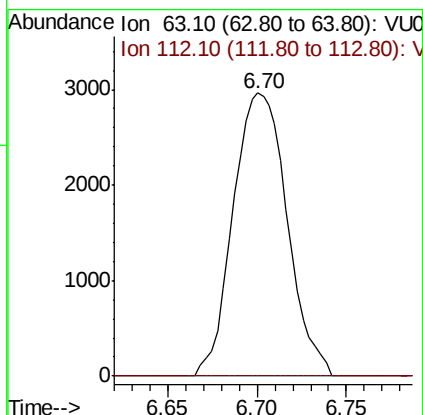
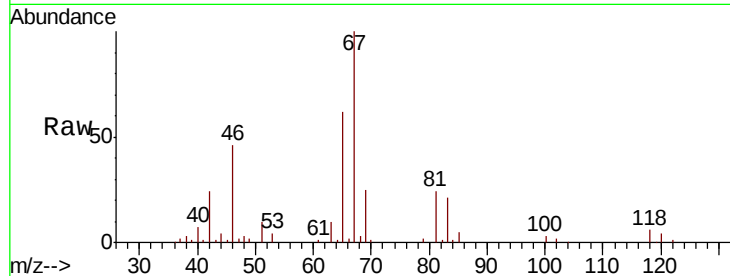




#37
 1,2-Dichloropropane
 Concen: 0.612 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041714.D
 Acq: 21 Dec 2020 22:32

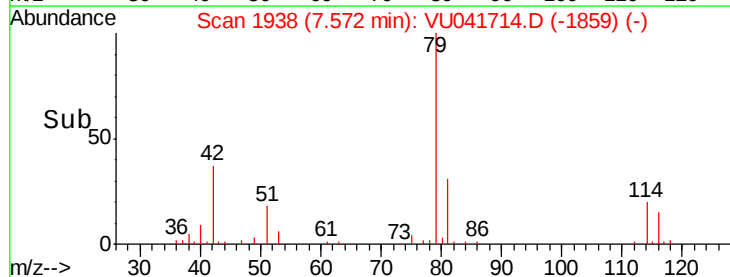
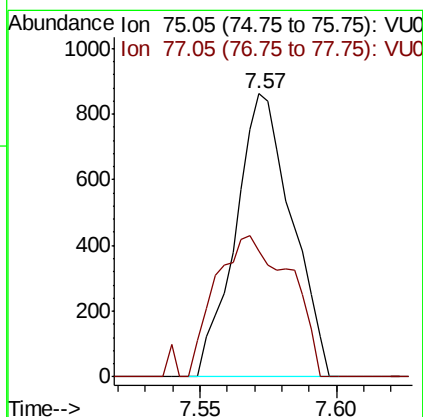
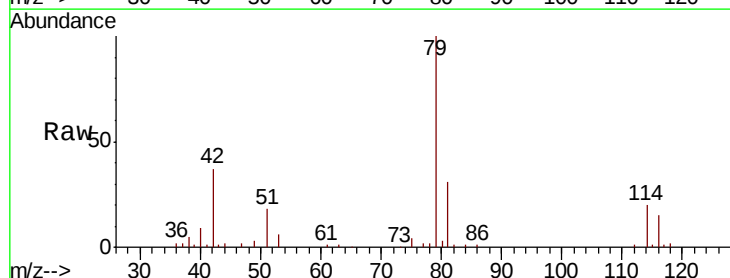
Instrument :
 MSVOA_U
 ClientSampled :
 GB249

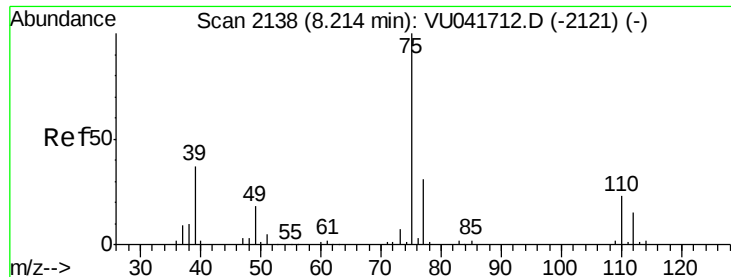
Tot Ion: 63 Resp: 6247
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.082 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041714.D
 Acq: 21 Dec 2020 22:32

Tgt Ion: 75 Resp: 1236
 Ion Ratio Lower Upper
 75 100
 77 44.4 22.3 41.3#





#44

trans-1,3-Dichloropropene

Concen: 0.061 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041714.D

Acq: 21 Dec 2020 22:32

Instrument :

MSVOA_U

ClientSampleId :

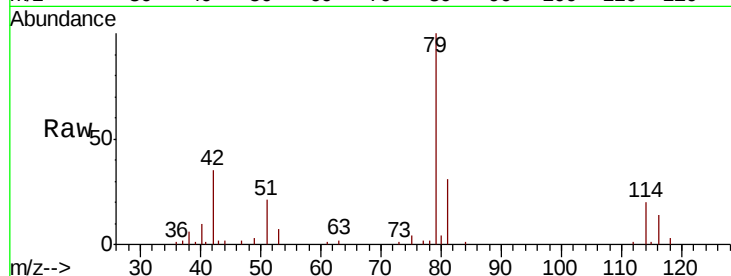
GB249

Tot Ion: 75 Resp: 831

Ion Ratio Lower Upper

75 100

77 45.7 23.8 44.2#



Abundance Ion 75.05 (74.75 to 75.75): VU041714.D (-2121) (-)

Ion 77.05 (76.75 to 77.75): VU041714.D (-2121) (-)

8.19

600

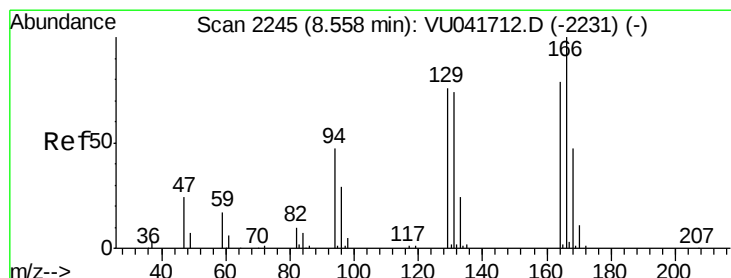
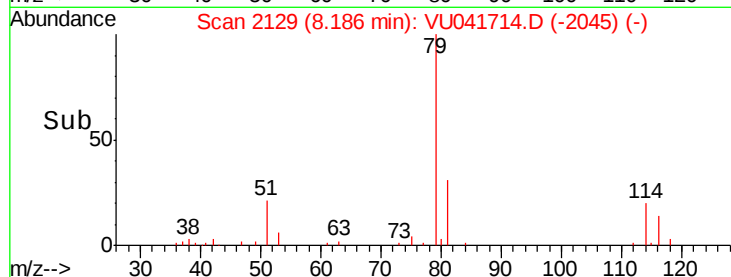
400

200

0

8.14 8.16 8.18 8.20 8.22

Time-->



#47

Tetrachloroethene

Concen: 0.061 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041714.D

Acq: 21 Dec 2020 22:32

Tgt Ion: 164 Resp: 428

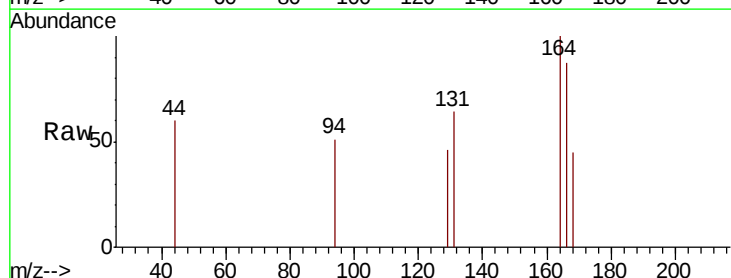
Ion Ratio Lower Upper

164 100

129 46.3 72.2 134.0#

131 64.1 66.9 124.3#

166 87.1 89.6 166.4#



Abundance Ion 163.90 (163.60 to 164.60): VU041714.D (-2231) (-)

Ion 128.95 (128.65 to 129.65): VU041714.D (-2231) (-)

Ion 130.95 (130.65 to 131.65): VU041714.D (-2231) (-)

Ion 165.90 (165.60 to 166.60): VU041714.D (-2231) (-)

8.56

600

500

400

300

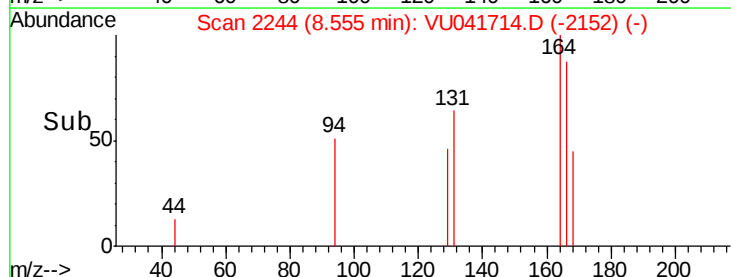
200

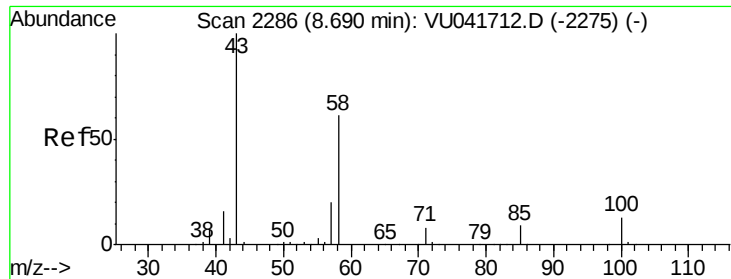
100

0

8.54 8.56 8.58

Time-->

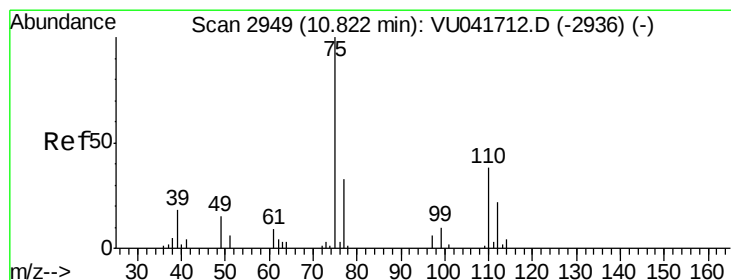
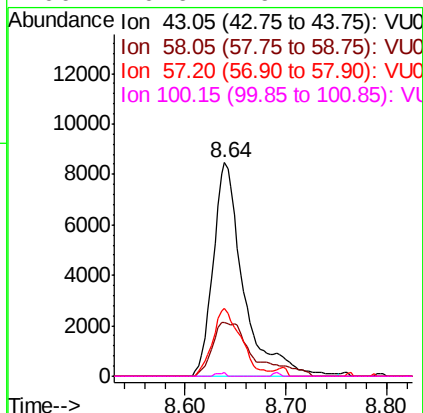
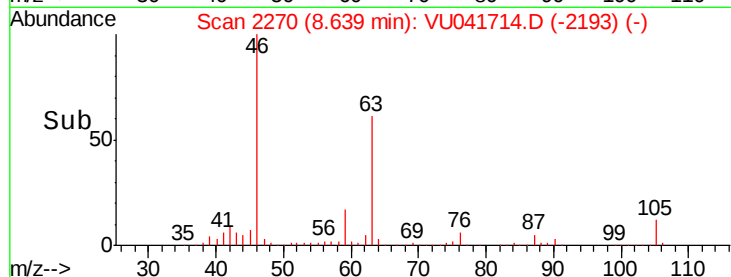
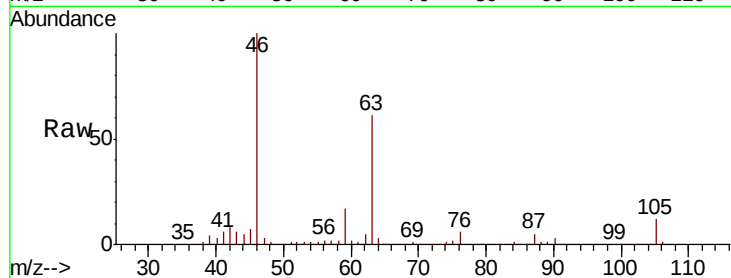




#48
 2-Hexanone
 Concen: 3.347 ug/L
 RT: 8.64 min Scan# 2270
 Delta R.T. -0.05 min
 Lab File: VU041714.D
 Acq: 21 Dec 2020 22:32

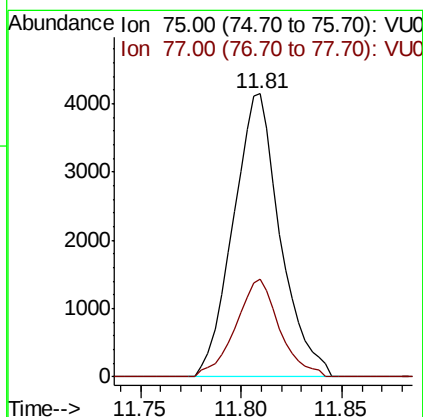
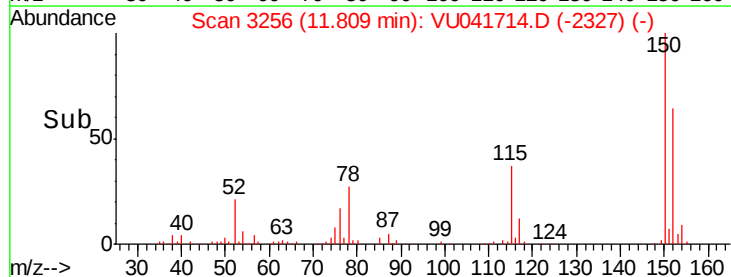
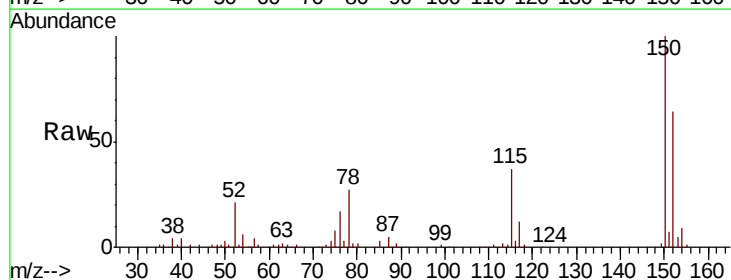
Instrument :
 MSVOA_U
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 GB249

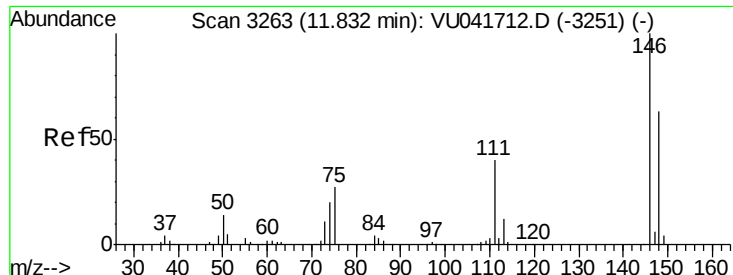
Tot Ion: 43 Resp: 17690
 Ion Ratio Lower Upper
 43 100
 58 33.8 47.9 71.9#
 57 29.8 16.5 24.7#
 100 0.6 9.4 14.2#



#59
 1,2,3-Trichloropropane
 Concen: 0.881 ug/L
 RT: 11.81 min Scan# 3256
 Delta R.T. 0.99 min
 Lab File: VU041714.D
 Acq: 21 Dec 2020 22:32

Tgt Ion: 75 Resp: 6752
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.2 39.2





#63

1,4-Dichlorobenzene

Concen: 0.057 ug/L

RT: 11.84 min Scan# 3264

Delta R.T. 0.00 min

Lab File: VU041714.D

Acq: 21 Dec 2020 22:32

Instrument :

MSVOA_U

ClientSampleId :

GB249

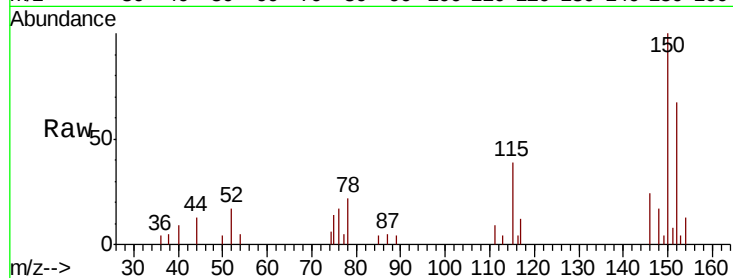
Tot Ion:146 Resp: 963

Ion Ratio Lower Upper

146 100

111 38.7 27.9 51.9

148 72.6 45.0 83.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

