

Data File : VU029556.D
Acq On : 19 Feb 2019 15:40
Operator : JC/SP
Sample : K1489-06DL 100X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESXG3DL

Quant Time: Feb 20 00:12:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Feb 20 00:07:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	223187	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	221392	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	117785	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	60362	4.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.40%
7) Chloroethane-d5	1.68	69	55540	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.80%
11) 1,1-Dichloroethene-d2	2.27	63	94298	2.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.80%#
20) 2-Butanone-d5	4.19	46	164483	52.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.52%
24) Chloroform-d	4.65	84	83201	3.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	69.80%#
26) 1,2-Dichloroethane-d4	5.31	65	59713	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.00%
32) Benzene-d6	5.34	84	228332	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
36) 1,2-Dichloropropane-d6	6.33	67	73466	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.40%
41) Toluene-d8	7.56	98	218134	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.00%
43) trans-1,3-Dichloropropene-	7.85	79	28143	4.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.20%
46) 2-Hexanone-d5	8.31	63	162228	50.14	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.28%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	65368	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	99313	4.57	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.40%

Target Compounds

						Qvalue
5) Vinyl chloride	1.40	62	162188	7.546	ug/L	100
8) Chloroethane	1.58	64	8450	0.604	ug/L #	54
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1034	0.053	ug/L #	23
12) 1,1-Dichloroethene	2.28	96	2121	0.115	ug/L #	1
18) trans-1,2-Dichloroethene	2.98	96	4857	0.248	ug/L	94
22) cis-1,2-Dichloroethene	4.22	96	549655	30.509	ug/L	96
25) Chloroform	4.67	83	30335	1.028	ug/L	99
27) 1,2-Dichloroethane	5.33	62	1138	0.067	ug/L #	72
34) Trichloroethene	6.18	95	1001	0.055	ug/L	95
35) Methylcyclohexane	6.33	83	17080	0.554	ug/L #	22
37) 1,2-Dichloropropane	6.33	63	7645	0.468	ug/L #	87
59) 1,2,3-Trichloropropane	11.48	75	12080	1.154	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	817	0.332	ug/L #	8

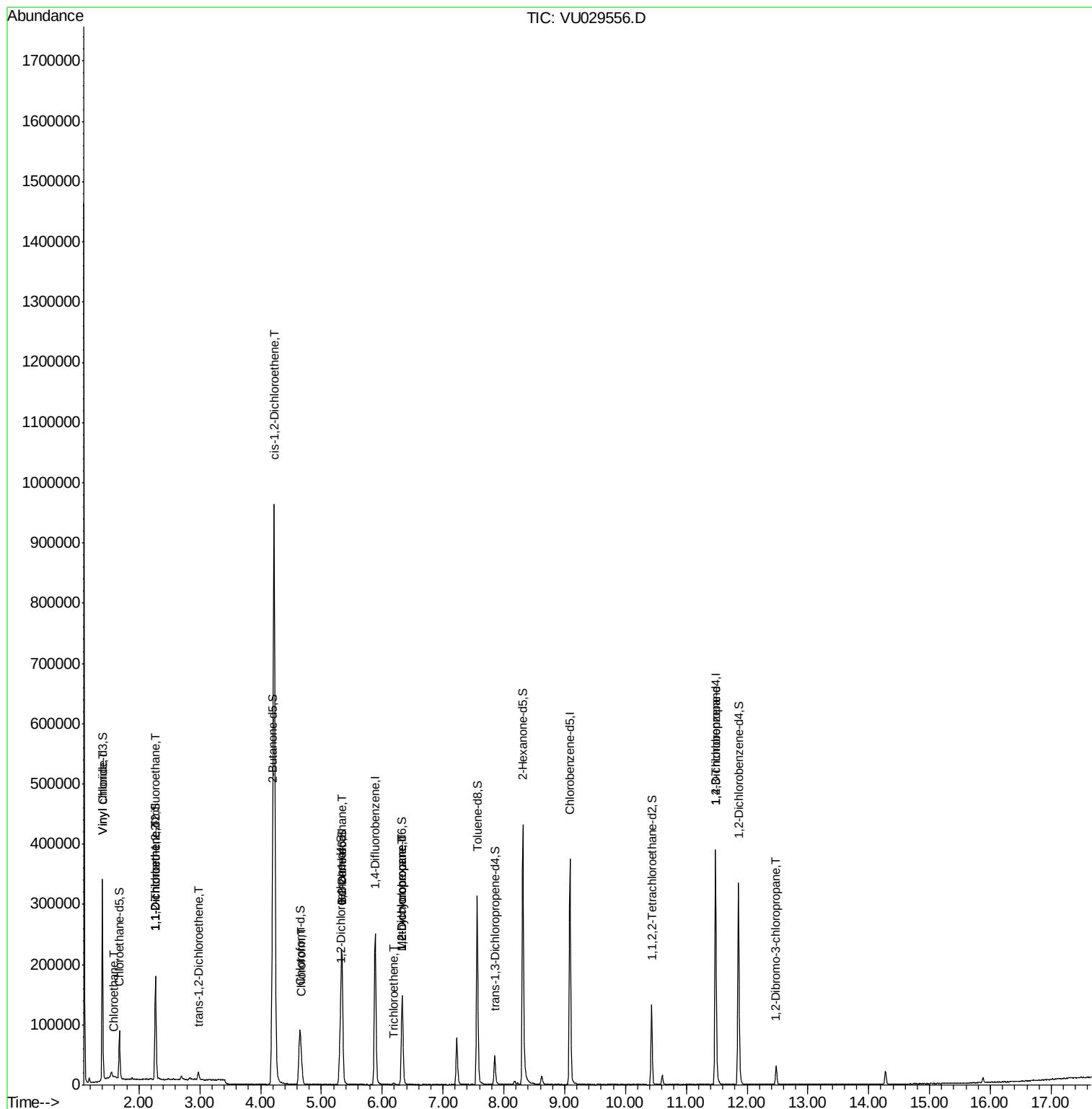
(#) = qualifier out of range (m) = manual integration (+) = signals summed

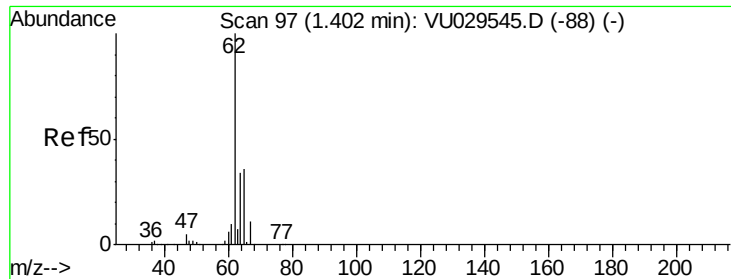
Data File : VU029556.D

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QLast Update : Wed Feb 20 00:07:58 2019
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#5

Vinyl chloride

Concen: 7.546 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029556.D

Acq: 19 Feb 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

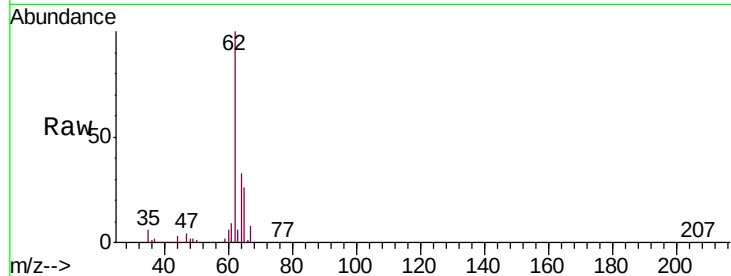
ESXG3DL

Tgt Ion: 62 Resp: 162188

Ion Ratio Lower Upper

62 100

64 33.4 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.40

150000

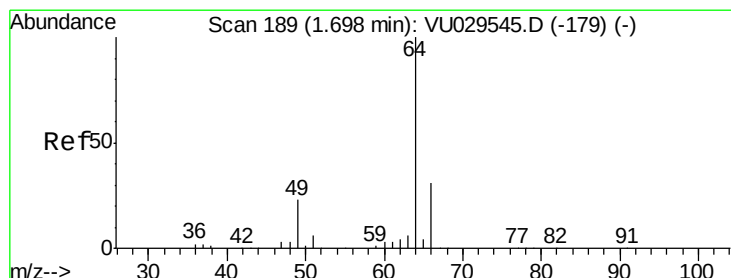
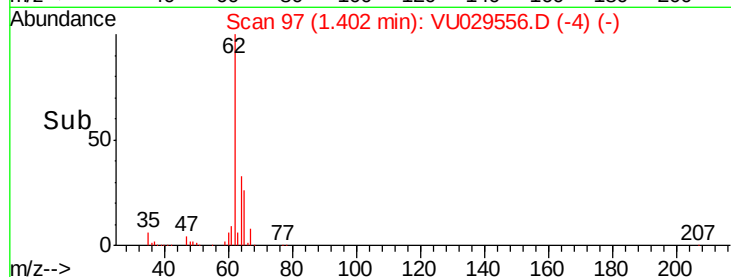
100000

50000

0

Time-->

1.35 1.40 1.45 1.50



#8

Chloroethane

Concen: 0.604 ug/L

RT: 1.58 min Scan# 153

Delta R.T. -0.12 min

Lab File: VU029556.D

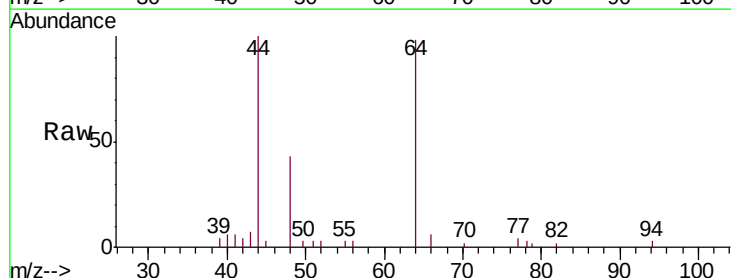
Acq: 19 Feb 2019 15:40

Tgt Ion: 64 Resp: 8450

Ion Ratio Lower Upper

64 100

66 5.9 22.0 40.8#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.58

5000

4000

3000

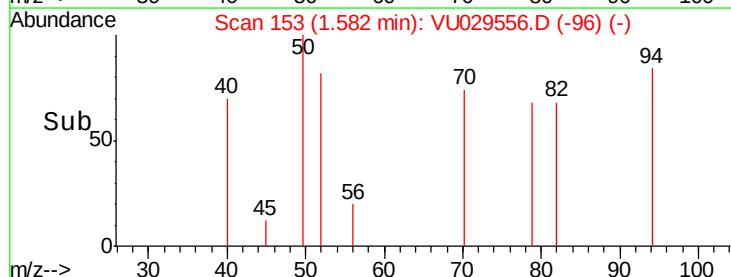
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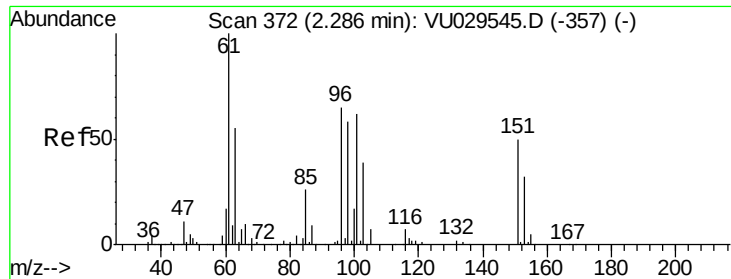
1000

0

Time-->

1.55 1.60 1.65 1.70





#10

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

Concen: 0.053 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU029556.D

Acq: 19 Feb 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

ESXG3DL

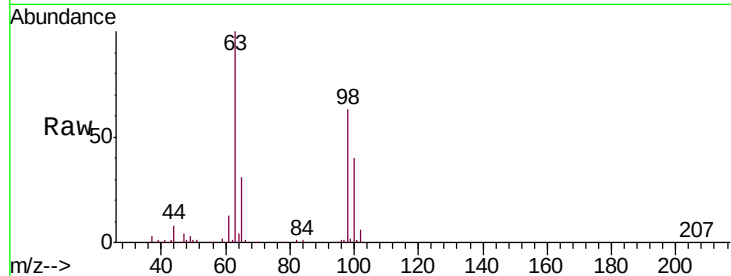
Tgt Ion: 101 Resp: 1034

Ion Ratio Lower Upper

101 100

85 1.8 35.1 52.7#

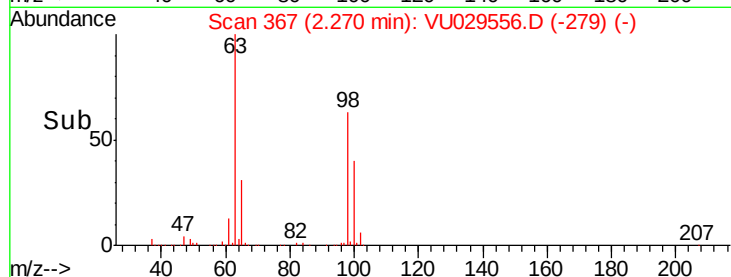
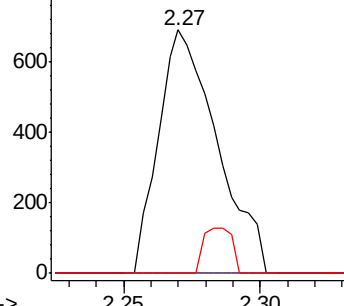
151 9.0 67.0 100.6#



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: 0.115 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU029556.D

Acq: 19 Feb 2019 15:40

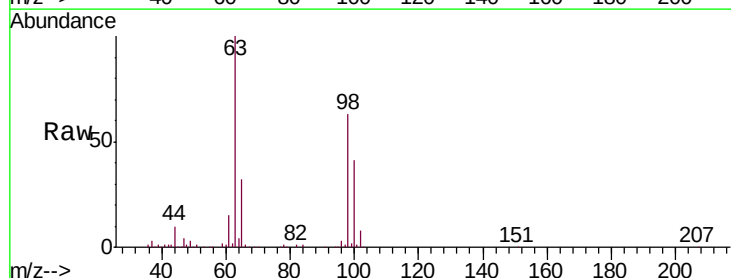
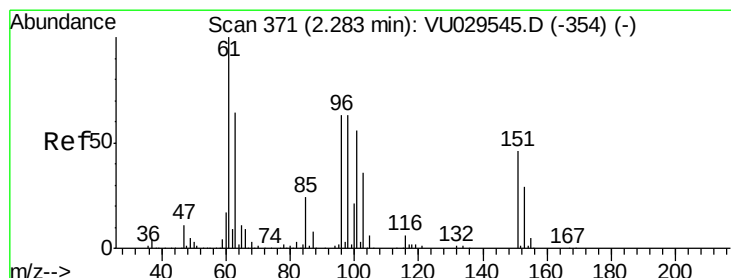
Tgt Ion: 96 Resp: 2121

Ion Ratio Lower Upper

96 100

61 529.4 115.1 213.7#

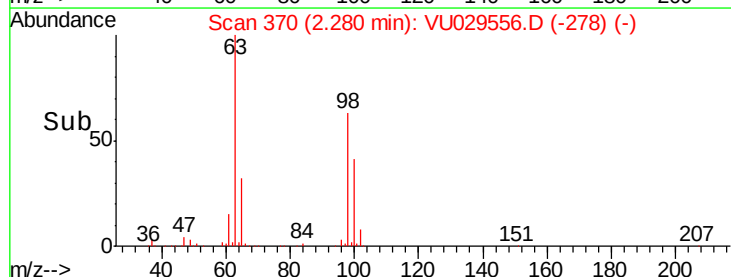
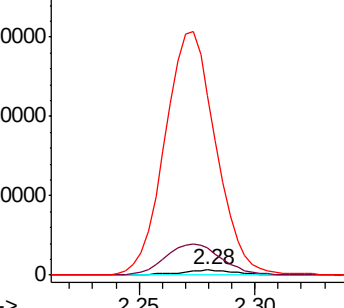
63 3569.5 83.5 155.1#

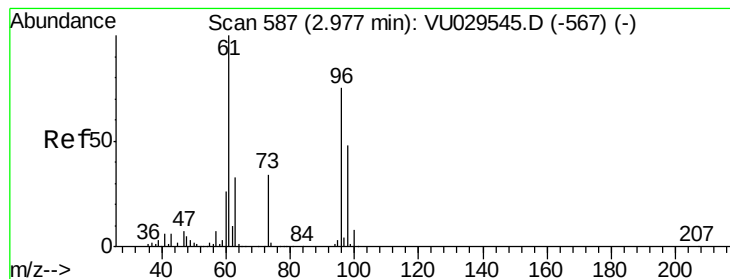


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#18

trans-1,2-Dichloroethene

Concen: 0.248 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU029556.D

Acq: 19 Feb 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

ESXG3DL

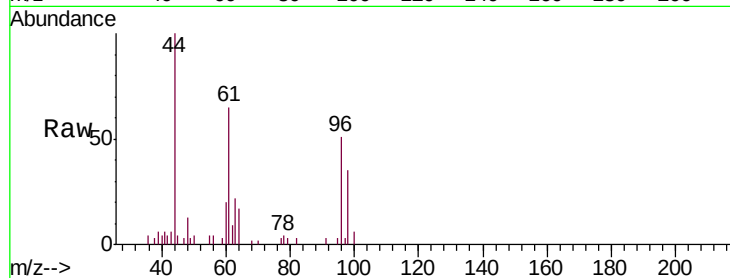
Tgt Ion: 96 Resp: 4857

Ion Ratio Lower Upper

96 100

61 127.6 95.4 177.2

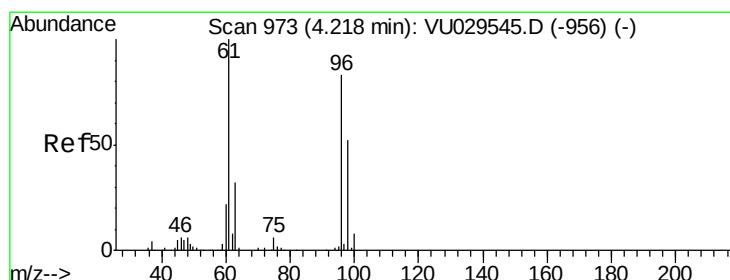
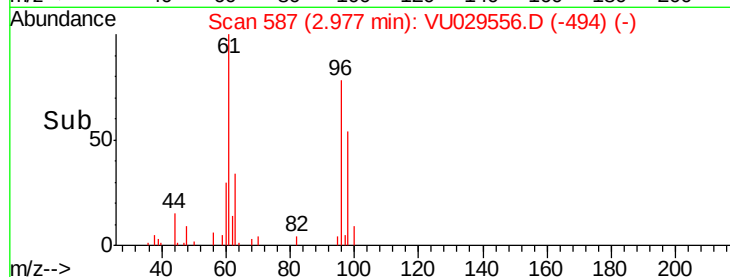
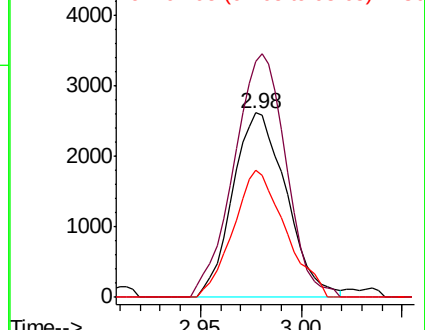
98 68.7 45.8 85.2



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0



#22

cis-1,2-Dichloroethene

Concen: 30.509 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU029556.D

Acq: 19 Feb 2019 15:40

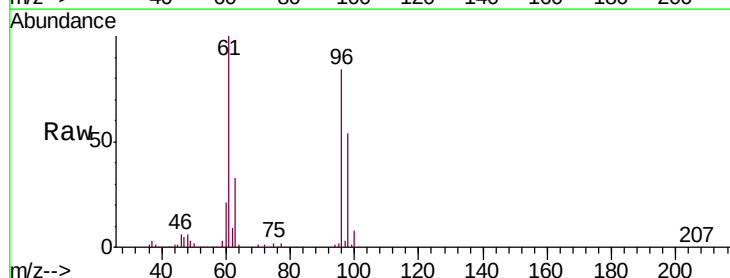
Tgt Ion: 96 Resp: 549655

Ion Ratio Lower Upper

96 100

61 118.5 79.9 148.5

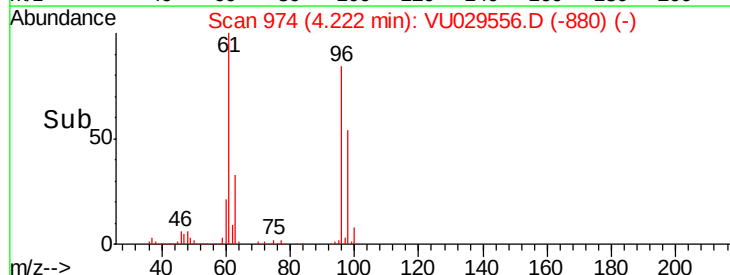
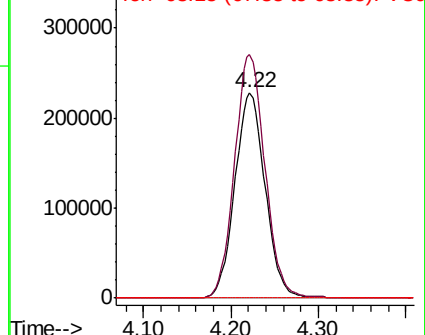
68 0.0 0.0 0.0

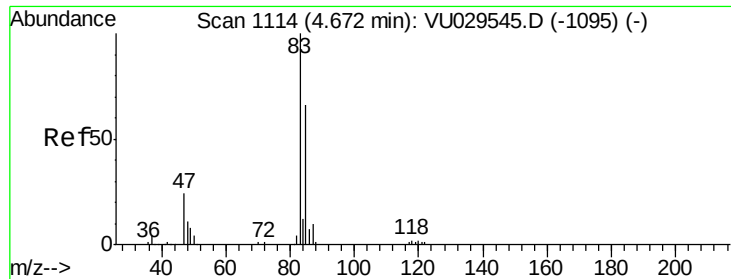


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

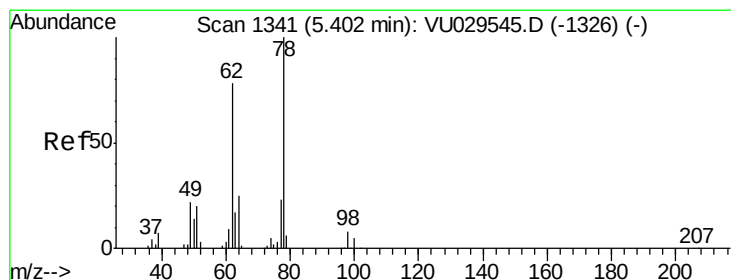
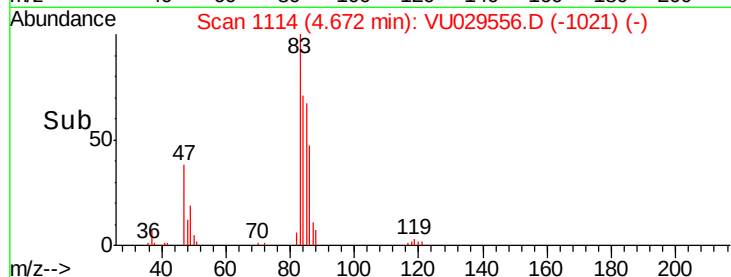
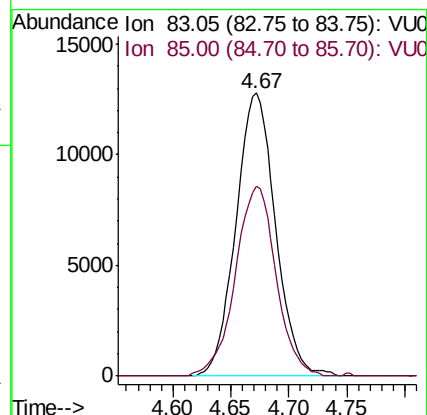
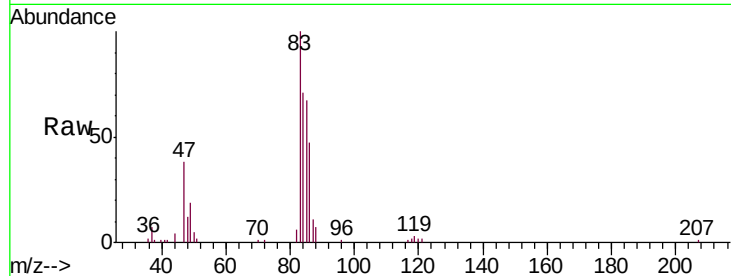




#25
Chloroform
Concen: 1.028 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029556.D
Acq: 19 Feb 2019 15:40

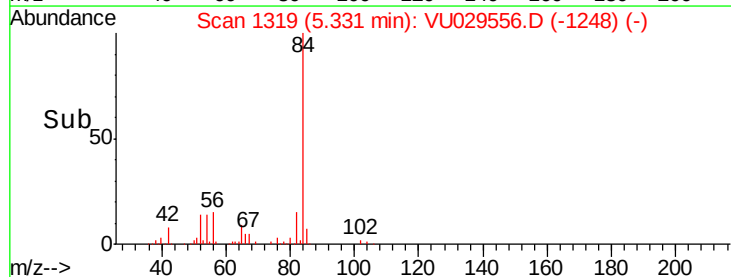
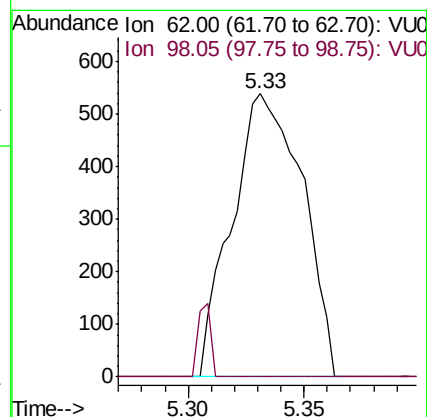
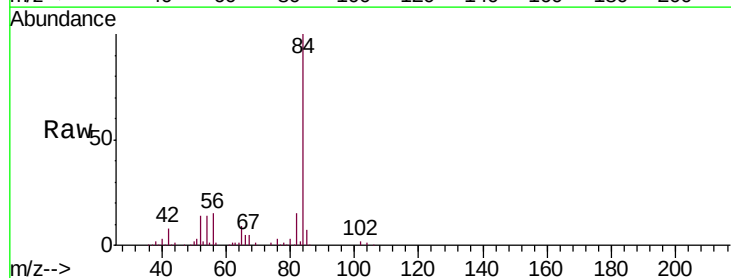
Instrument :
MSVOA_U
ClientSampleId :
ESXG3DL

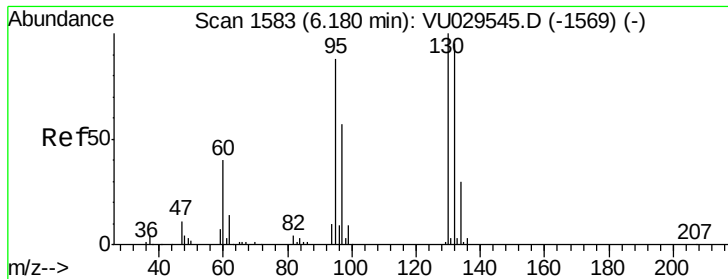
Tgt Ion: 83 Resp: 30335
Ion Ratio Lower Upper
83 100
85 67.3 47.8 88.8



#27
1,2-Dichloroethane
Concen: 0.067 ug/L
RT: 5.33 min Scan# 1319
Delta R.T. -0.07 min
Lab File: VU029556.D
Acq: 19 Feb 2019 15:40

Tgt Ion: 62 Resp: 1138
Ion Ratio Lower Upper
62 100
98 0.0 8.4 12.6#





#34

Trichloroethene

Concen: 0.055 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029556.D

Acq: 19 Feb 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

ESXG3DL

Tgt Ion: 95 Resp: 1001

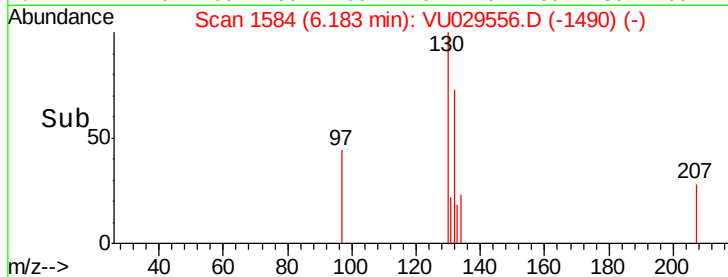
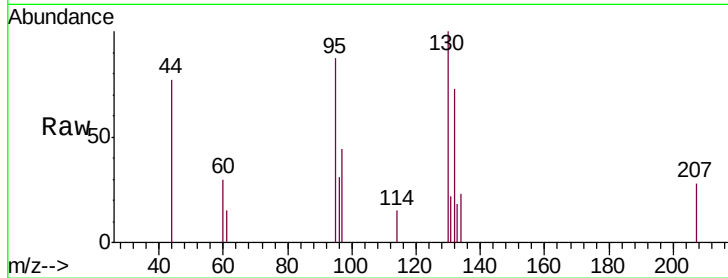
Ion Ratio Lower Upper

95 100

97 50.5 46.3 86.1

132 104.2 72.9 135.3

130 114.7 79.2 147.0

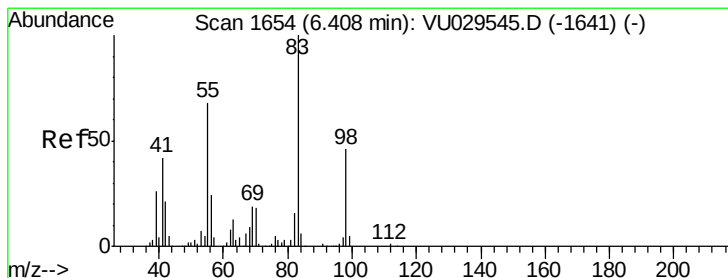
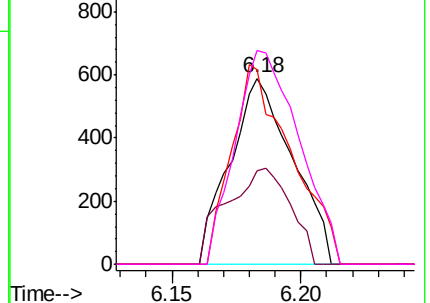


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.554 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU029556.D

Acq: 19 Feb 2019 15:40

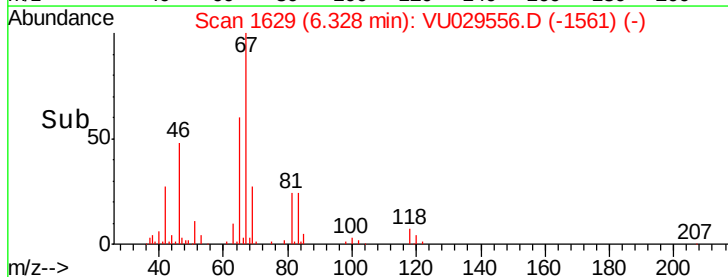
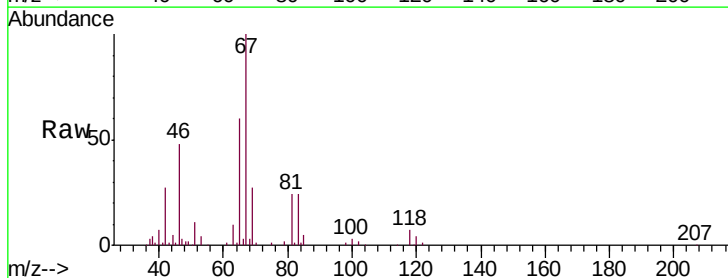
Tgt Ion: 83 Resp: 17080

Ion Ratio Lower Upper

83 100

55 0.4 55.9 83.9#

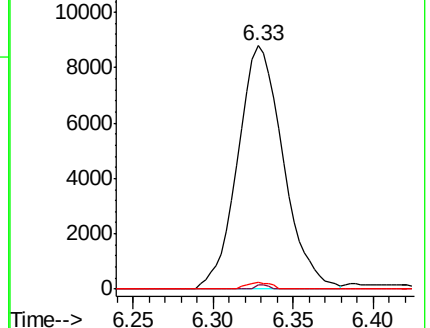
98 1.4 38.6 57.8#

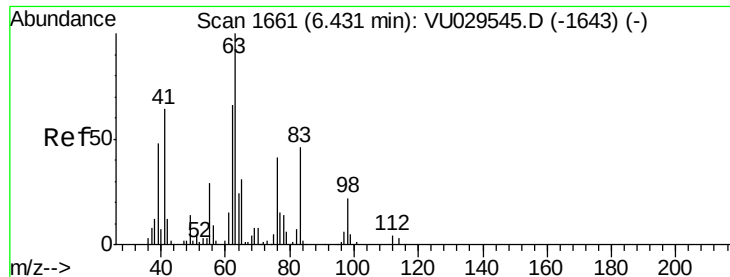


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

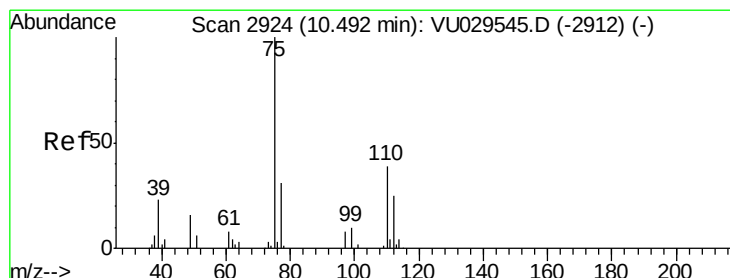
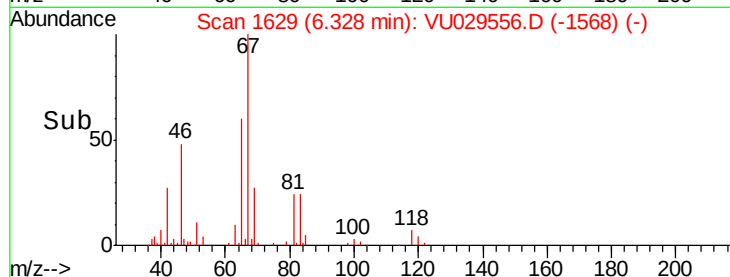
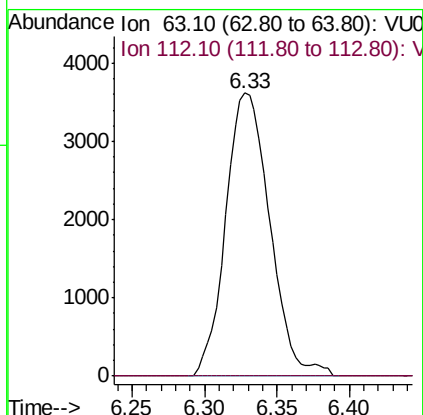
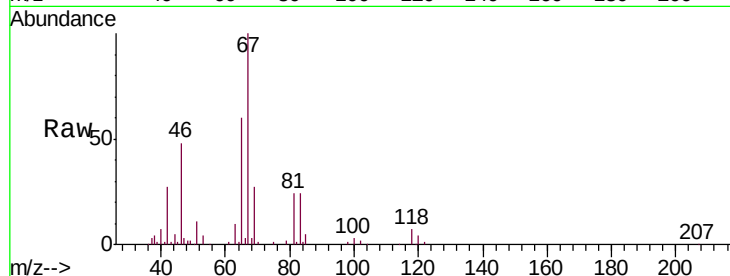




#37
 1,2-Dichloropropane
 Concen: 0.468 ug/L
 RT: 6.33 min Scan# 1629
 Delta R.T. -0.10 min
 Lab File: VU029556.D
 Acq: 19 Feb 2019 15:40

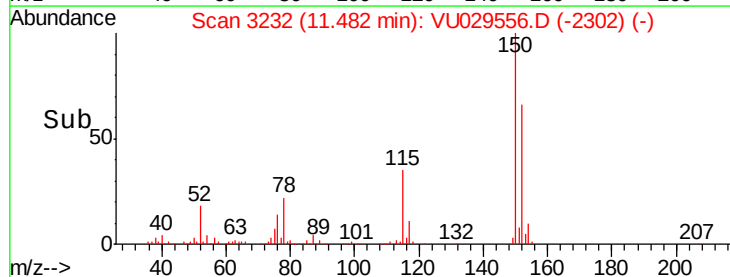
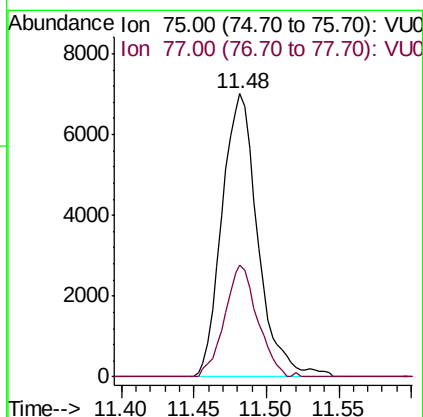
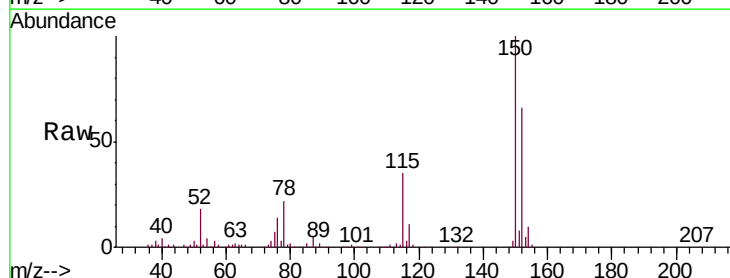
Instrument :
 MSVOA_U
 ClientSampleId :
 ESXG3DL

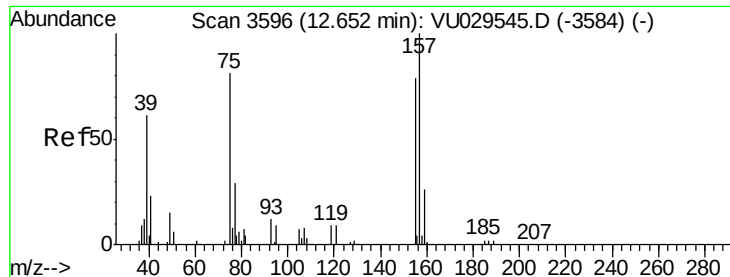
Tgt Ion: 63 Resp: 7645
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#59
 1,2,3-Trichloropropane
 Concen: 1.154 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. 0.99 min
 Lab File: VU029556.D
 Acq: 19 Feb 2019 15:40

Tgt Ion: 75 Resp: 12080
 Ion Ratio Lower Upper
 75 100
 77 36.0 28.2 42.2





#66

1,2-Dibromo-3-chloropropane

Concen: 0.332 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.17 min

Lab File: VU029556.D

Acq: 19 Feb 2019 15:40

Instrument :

MSVOA_U

ClientSampleId :

ESXG3DL

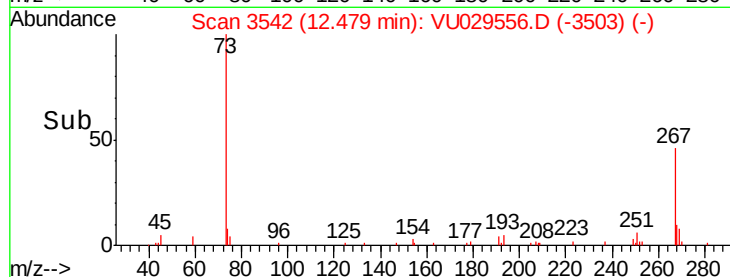
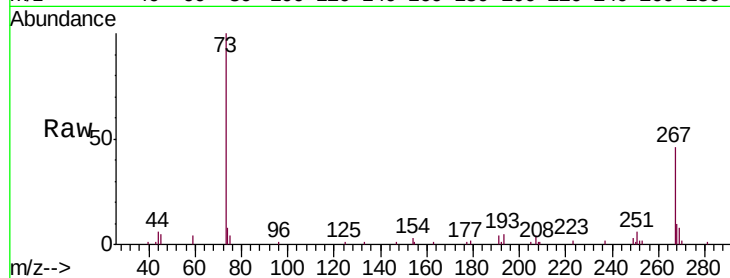
Tgt Ion: 75 Resp: 817

Ion Ratio Lower Upper

75 100

155 31.2 75.3 112.9#

157 0.0 103.0 154.4#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

