

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062419\
 Data File : VV011730.D
 Acq On : 24 Jun 2019 15:09
 Operator : SY/MD
 Sample : K3462-15 50X
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 25 08:22:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 25 08:19:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	167596	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	151899	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	64236	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	56398	5.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.40%
7) Chloroethane-d5	1.57	69	38877	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.40%
11) 1,1-Dichloroethene-d2	2.12	63	93624	4.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.80%
20) 2-Butanone-d5	3.95	46	178196	60.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.62%
24) Chloroform-d	4.40	84	117311	5.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	115.60%
26) 1,2-Dichloroethane-d4	5.08	65	67568	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.80%
32) Benzene-d6	5.09	84	241239	5.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.80%
36) 1,2-Dichloropropane-d6	6.12	67	74126	5.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.60%
41) Toluene-d8	7.36	98	205297	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
43) trans-1,3-Dichloropropene-	7.66	79	24079	5.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.80%
46) 2-Hexanone-d5	8.14	63	130951	61.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	122.40%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	52517	5.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	115.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	69397	5.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.60%

Target Compounds

					Ovalue
3) Chloromethane	1.25	50	6273	0.397 ug/L	93
5) Vinyl chloride	1.32	62	25662	1.656 ug/L	98
6) Bromomethane	1.53	94	1227	0.182 ug/L	94
12) 1,1-Dichloroethene	2.13	96	9864	0.951 ug/L #	1
16) Methylene chloride	2.53	84	2611	0.226 ug/L	77
18) trans-1,2-Dichloroethene	2.78	96	79160	6.491 ug/L	97
19) 1,1-Dichloroethane	3.22	63	61073	2.520 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	435991	32.536 ug/L	99
27) 1,2-Dichloroethane	5.18	62	2056	0.127 ug/L #	78
34) Trichloroethene	5.96	95	1605	0.120 ug/L	93
35) Methylcyclohexane	6.12	83	17090	0.793 ug/L #	14
37) 1,2-Dichloropropane	6.12	63	9317	0.729 ug/L #	88
39) cis-1,3-Dichloropropene	7.03	75	2200	0.131 ug/L	84
44) trans-1,3-Dichloropropene	7.67	75	1191	0.096 ug/L	88
66) 1,2-Dibromo-3-chloropropan	12.31	75	279	0.236 ug/L #	6

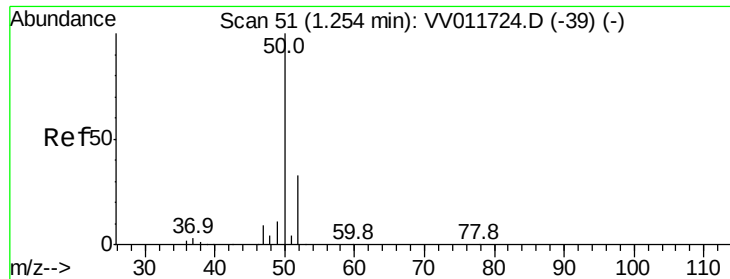
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062419\
Data File : VV011730.D
Acq On : 24 Jun 2019 15:09
Operator : SY/MD
Sample : K3462-15 50X
Misc : 25ML/MSVOA V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Jun 25 08:22:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 25 08:19:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#3

Chloromethane

Concen: 0.397 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV011730.D

Acq: 24 Jun 2019 15:09

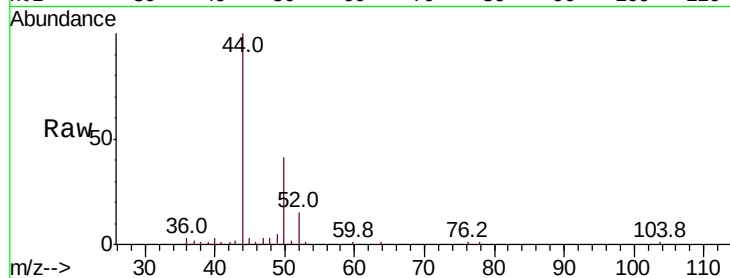
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 50 Resp: 6273

Ion Ratio Lower Upper

50 100

52 35.1 22.0 40.8



Abundance Ion 50.05 (49.75 to 50.75): VV011724.D (-39) (-)

Ion 52.05 (51.75 to 52.75): VV011724.D (-39) (-)

1.25

6000

5000

4000

3000

2000

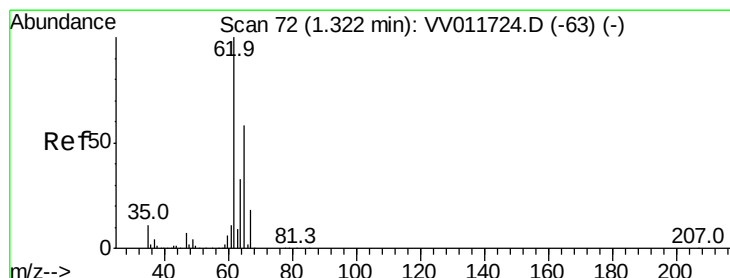
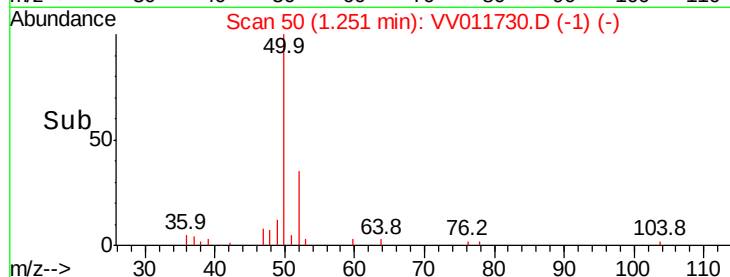
1000

0

1.25

1.30

Time-->



#5

Vinyl chloride

Concen: 1.656 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV011730.D

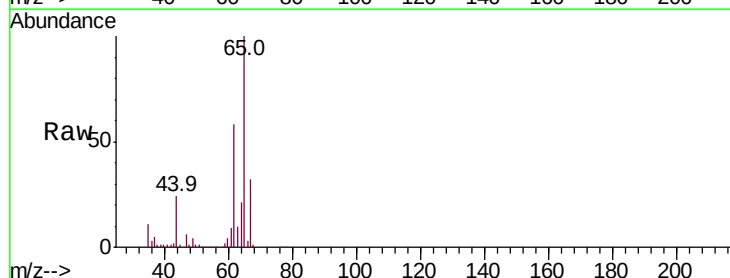
Acq: 24 Jun 2019 15:09

Tgt Ion: 62 Resp: 25662

Ion Ratio Lower Upper

62 100

64 35.8 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VV011724.D (-63) (-)

Ion 64.10 (63.80 to 64.80): VV011724.D (-63) (-)

1.32

30000

25000

20000

15000

10000

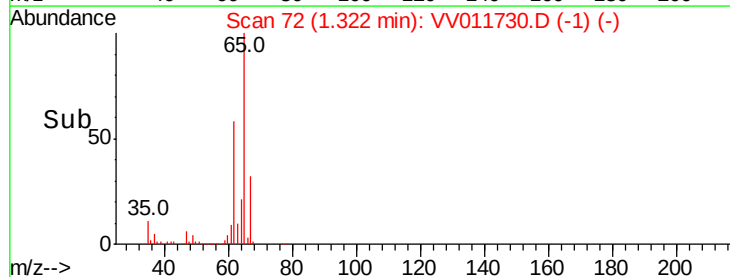
5000

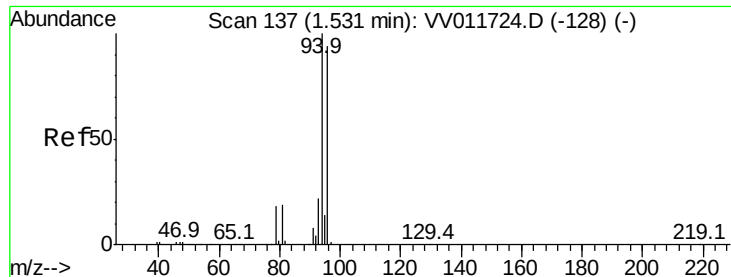
0

1.30

1.35

Time-->





#6

Bromomethane

Concen: 0.182 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV011730.D

Acq: 24 Jun 2019 15:09

Instrument :

MSVOA_V

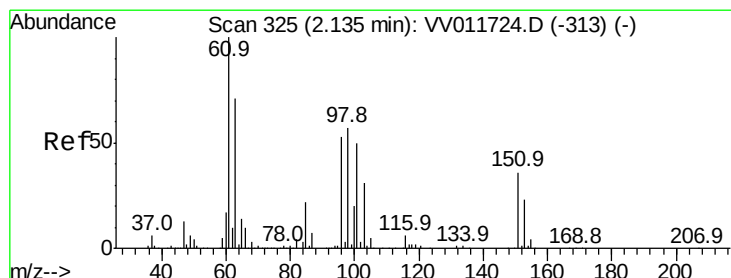
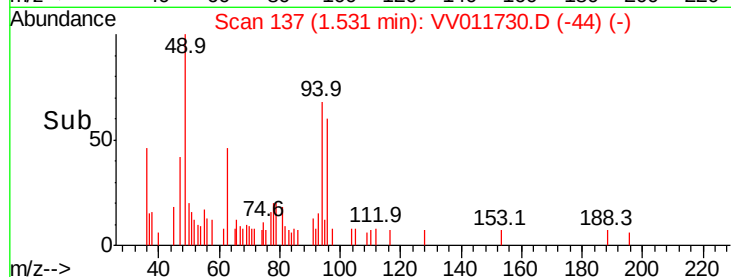
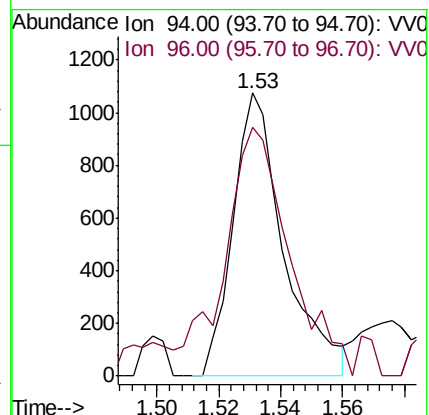
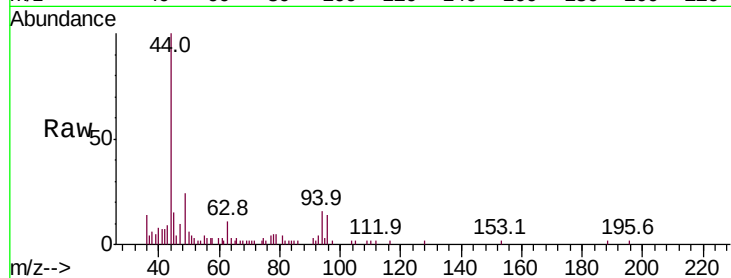
ClientSampled :

Tot Ion: 94 Resp: 1227

Ion Ratio Lower Upper

94 100

96 87.8 65.2 121.2



#12

1,1-Dichloroethene

Concen: 0.951 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV011730.D

Acq: 24 Jun 2019 15:09

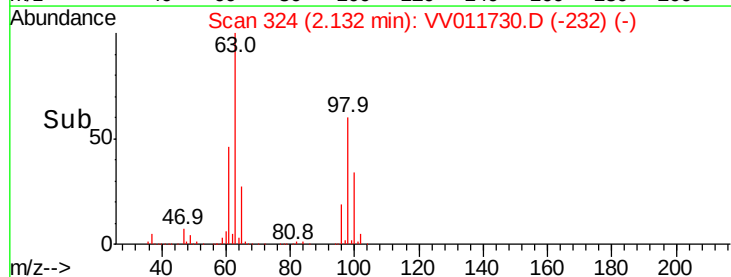
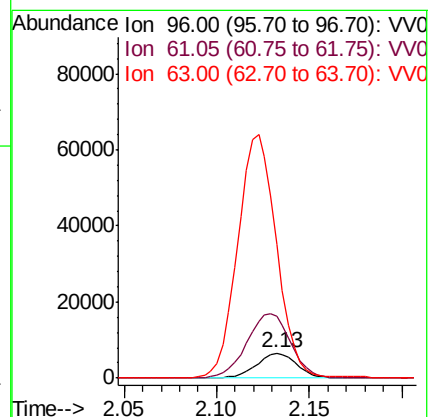
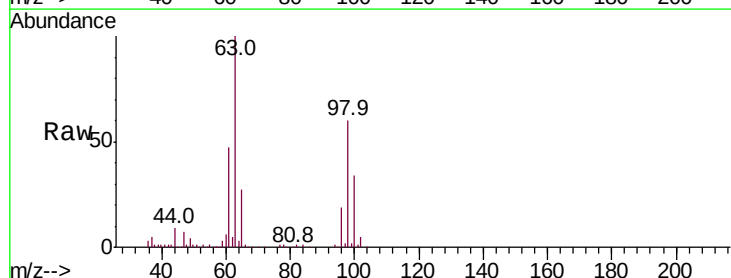
Tgt Ion: 96 Resp: 9864

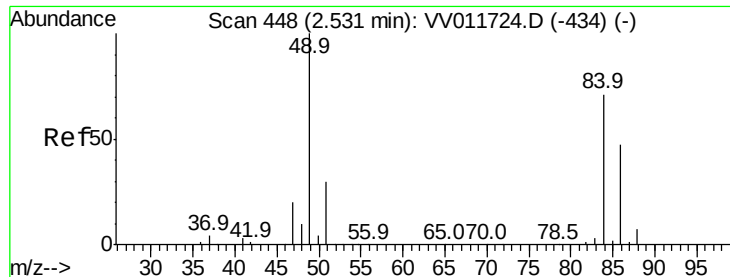
Ion Ratio Lower Upper

96 100

61 249.1 131.5 244.1#

63 535.0 91.8 170.4#

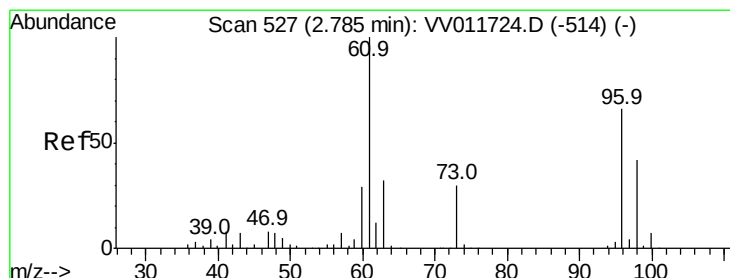
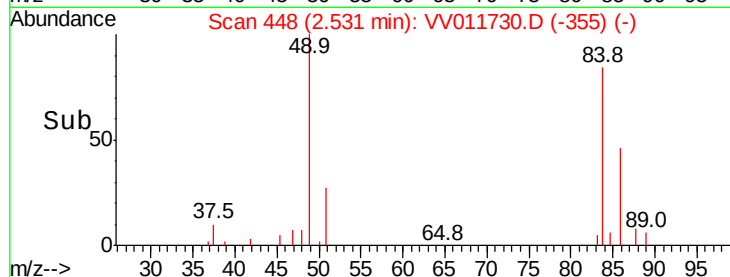
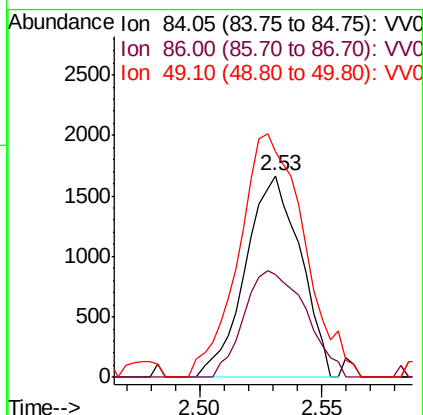
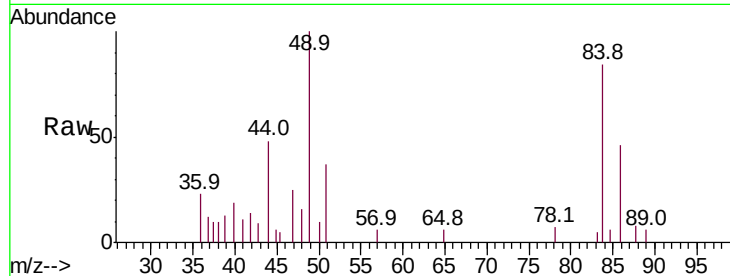




#16
Methvlene chloride
Concen: 0.226 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV011730.D
Acq: 24 Jun 2019 15:09

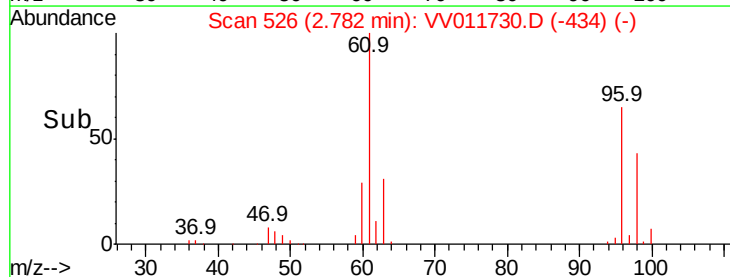
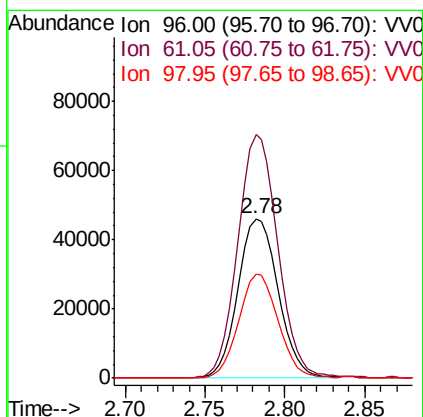
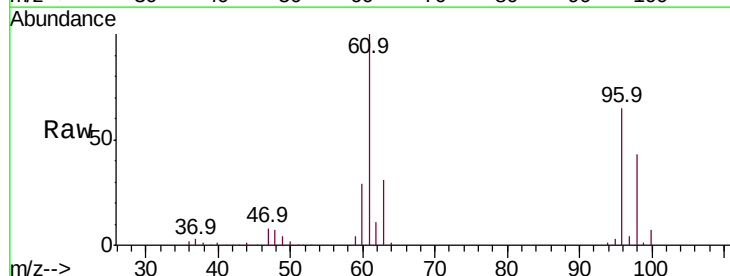
Instrument :
MSVOA_V
ClientSampled :

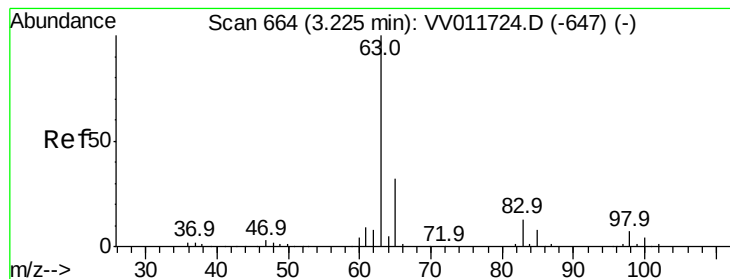
Tot Ion: 84 Resp: 2611
Ion Ratio Lower Upper
84 100
86 51.3 44.9 83.5
49 111.9 101.4 188.2



#18
trans-1,2-Dichloroethene
Concen: 6.491 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.00 min
Lab File: VV011730.D
Acq: 24 Jun 2019 15:09

Tgt Ion: 96 Resp: 79160
Ion Ratio Lower Upper
96 100
61 152.8 109.3 203.1
98 65.6 44.6 82.8





#19

1,1-Dichloroethane

Concen: 2.520 ug/L

RT: 3.22 min Scan# 663

Delta R.T. -0.00 min

Lab File: VV011730.D

Acq: 24 Jun 2019 15:09

Instrument :
MSVOA_V
ClientSampleId :

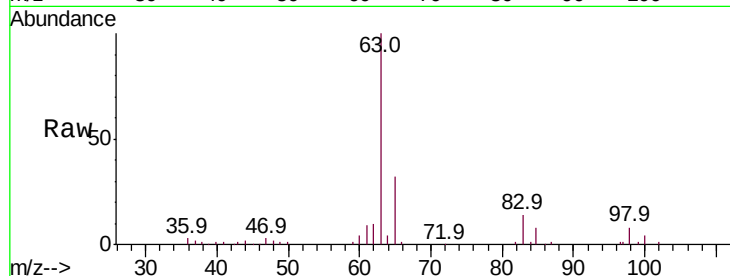
Tot Ion: 63 Resp: 61073

Ion Ratio Lower Upper

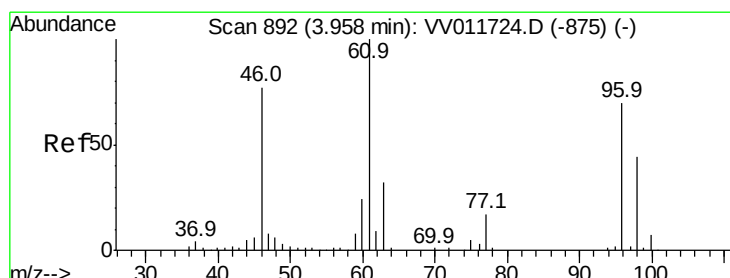
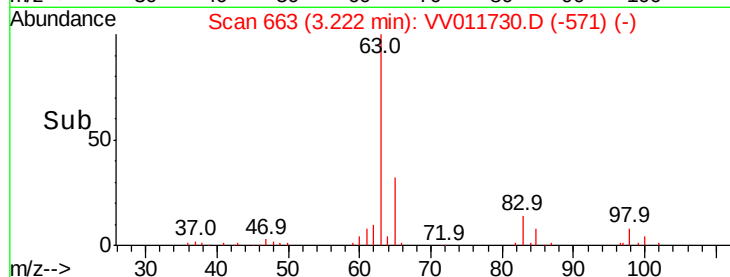
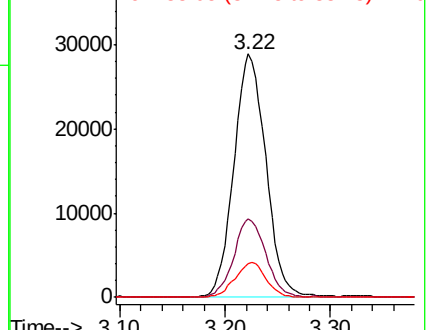
63 100

65 32.2 23.0 42.8

83 13.8 9.5 17.7



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 65.10 (64.80 to 65.80): VV0
Ion 83.05 (82.75 to 83.75): VV0



#22

cis-1,2-Dichloroethene

Concen: 32.536 ug/L

RT: 3.96 min Scan# 891

Delta R.T. -0.00 min

Lab File: VV011730.D

Acq: 24 Jun 2019 15:09

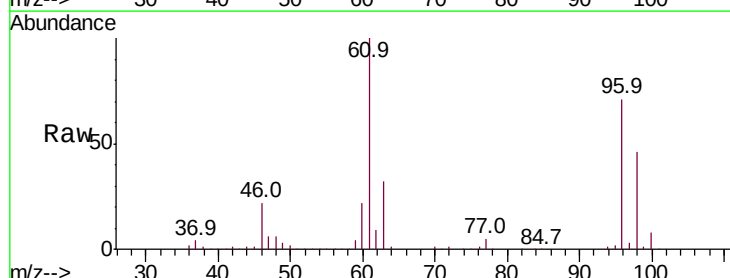
Tgt Ion: 96 Resp: 435991

Ion Ratio Lower Upper

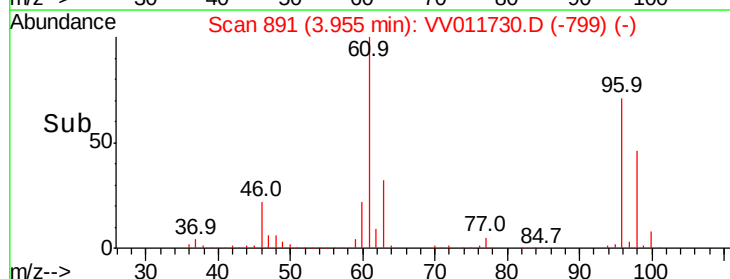
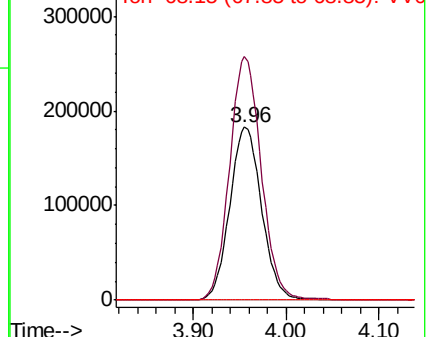
96 100

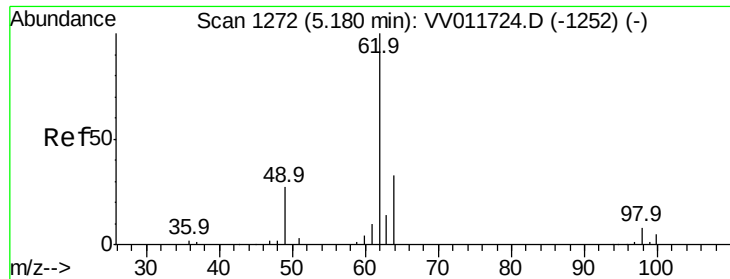
61 141.0 97.9 181.7

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0

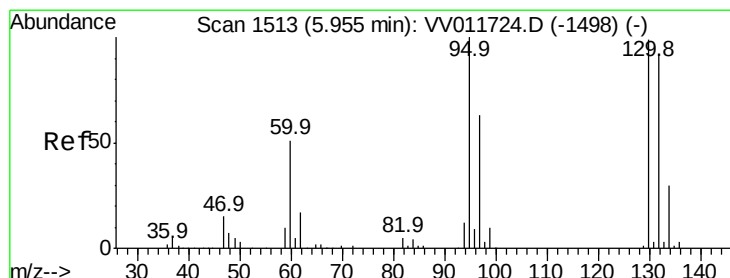
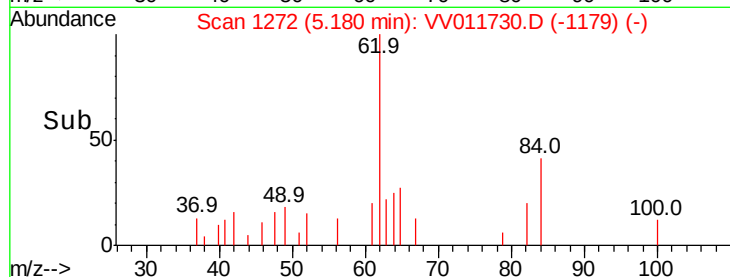
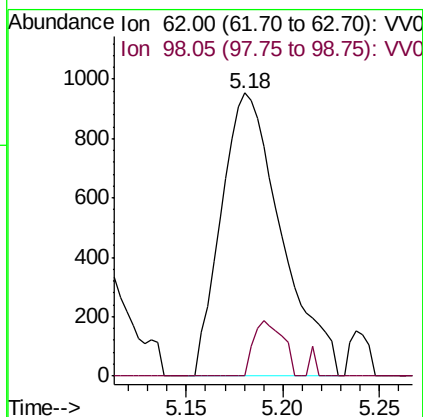
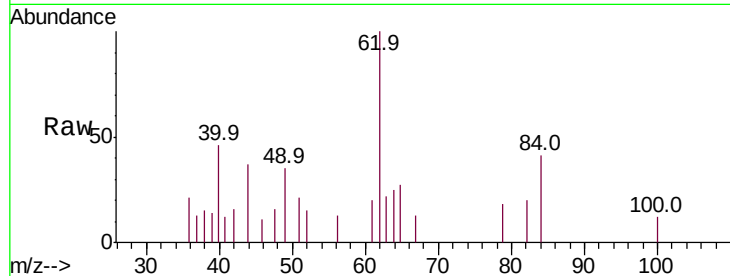




#27
 1,2-Dichloroethane
 Concen: 0.127 ug/L
 RT: 5.18 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VV011730.D
 Acq: 24 Jun 2019 15:09

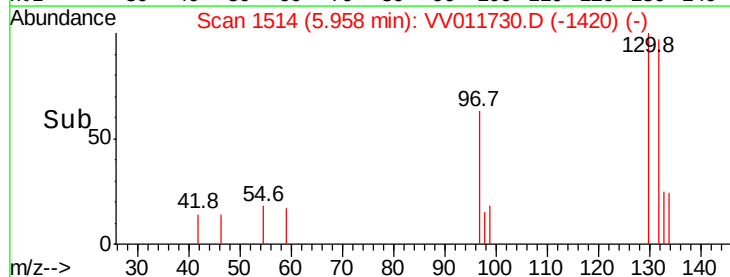
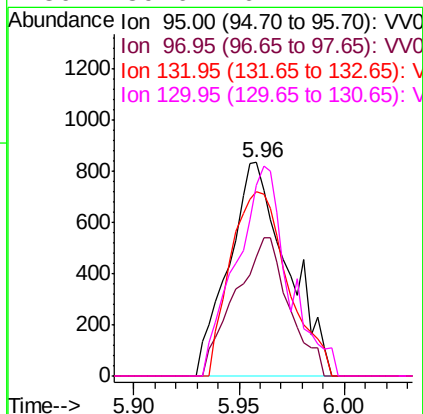
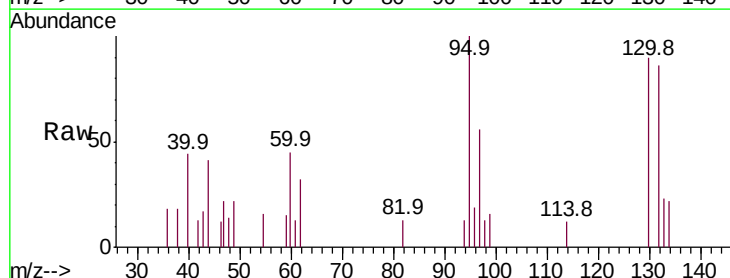
Instrument :
 MSVOA_V
 ClientSampled :

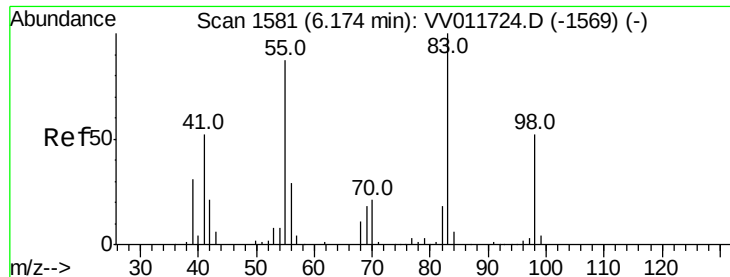
Tot Ion: 62 Resp: 2056
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.2 9.4#



#34
 Trichloroethene
 Concen: 0.120 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV011730.D
 Acq: 24 Jun 2019 15:09

Tgt Ion: 95 Resp: 1605
 Ion Ratio Lower Upper
 95 100
 97 56.0 44.4 82.5
 132 86.5 65.0 120.6
 130 89.6 67.1 124.7

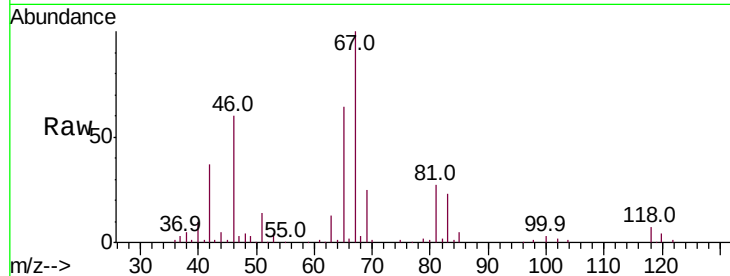




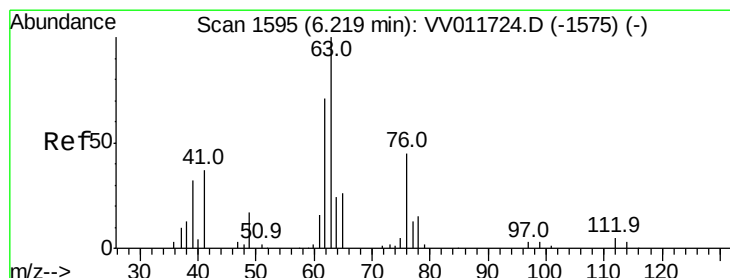
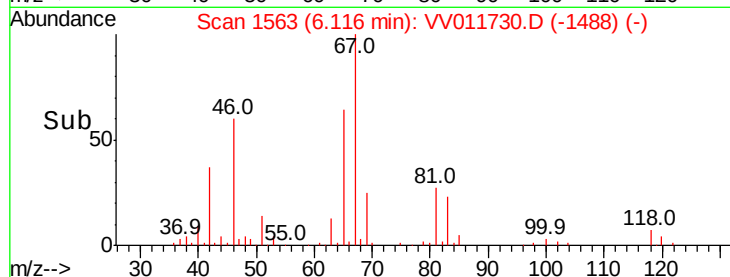
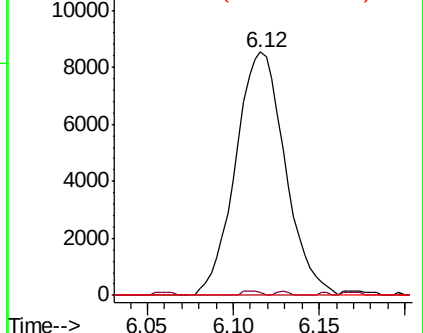
#35
Methylvlcyclohexane
Concen: 0.793 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV011730.D
Acq: 24 Jun 2019 15:09

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 17090
Ion Ratio Lower Upper
83 100
55 0.6 69.4 104.2#
98 0.0 40.2 60.4#

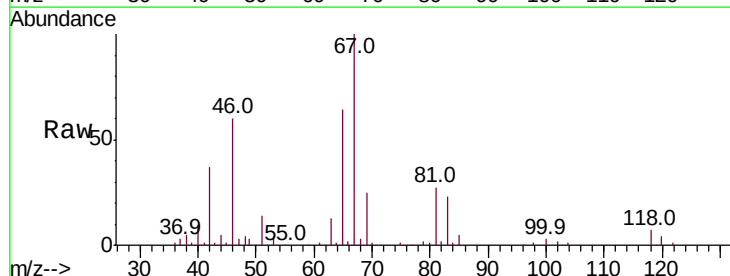


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

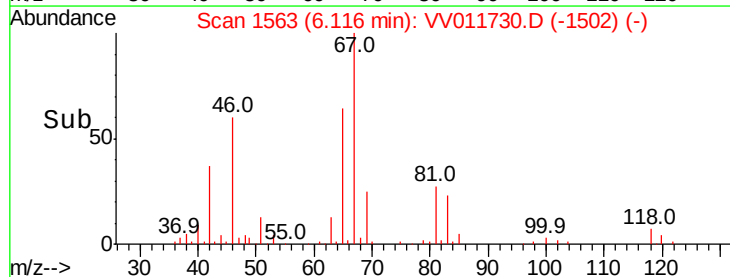
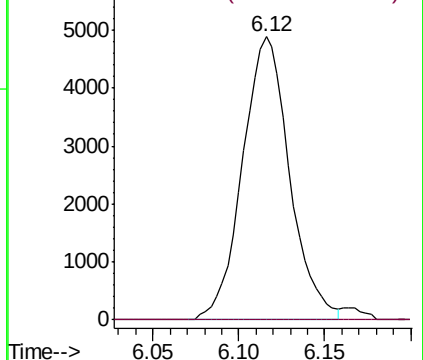


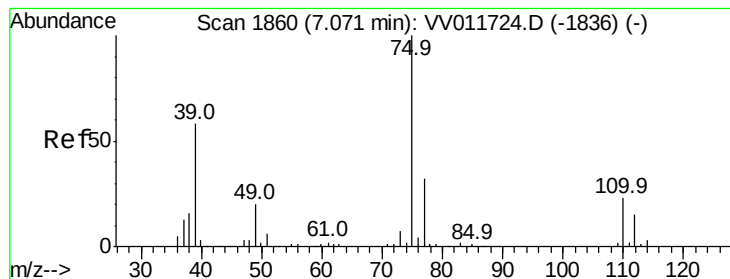
#37
1,2-Dichloropropane
Concen: 0.729 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV011730.D
Acq: 24 Jun 2019 15:09

Tgt Ion: 63 Resp: 9317
Ion Ratio Lower Upper
63 100
112 0.2 3.4 5.2#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V



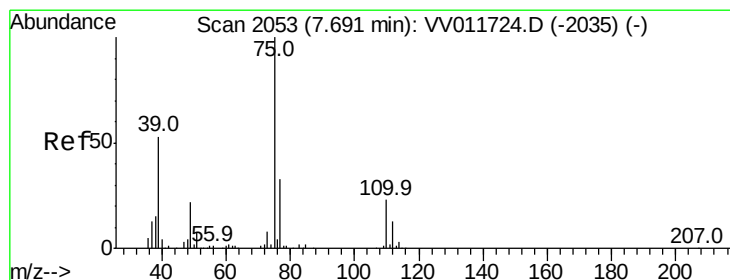
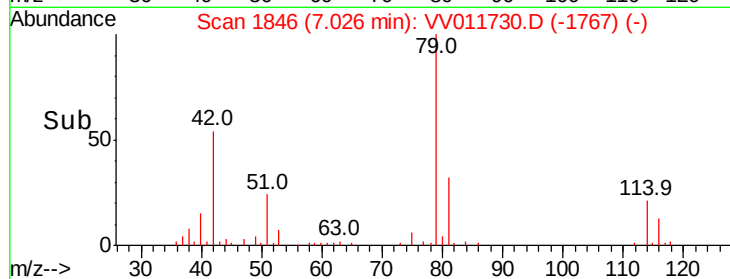
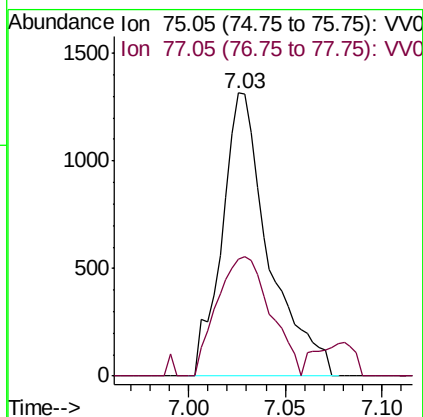
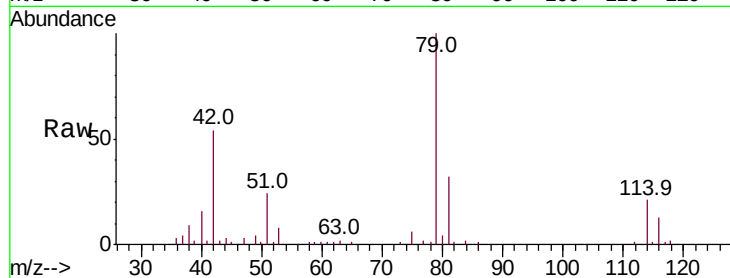


#39

cis-1,3-Dichloropropene
Concen: 0.131 ug/L
RT: 7.03 min Scan# 1846
Delta R.T. -0.05 min
Lab File: VV011730.D
Acq: 24 Jun 2019 15:09

Instrument :
MSVOA_V
ClientSampled :

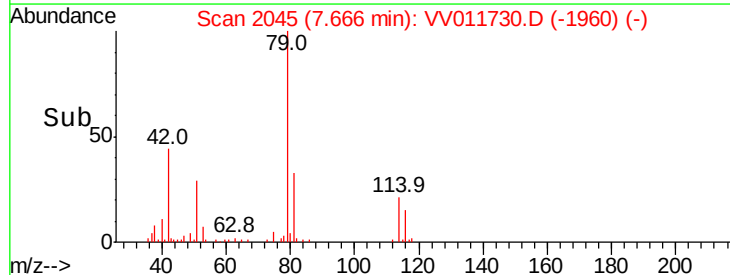
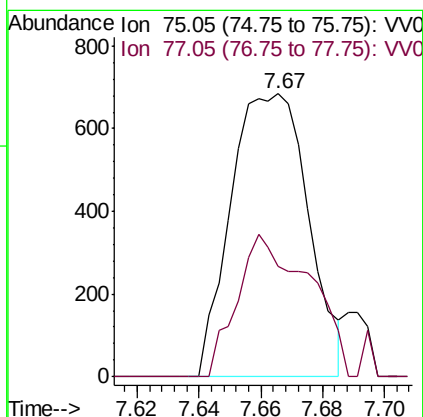
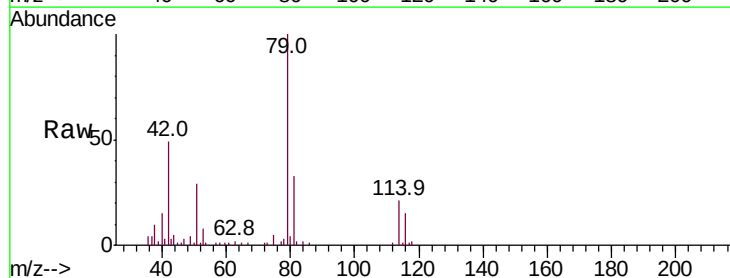
Tot Ion: 75 Resp: 2200
Ion Ratio Lower Upper
75 100
77 41.1 22.4 41.6

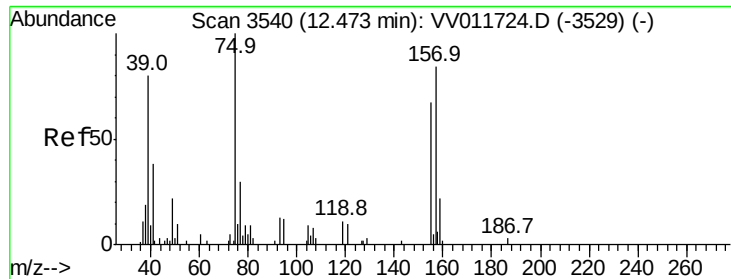


#44

trans-1,3-Dichloropropene
Concen: 0.096 ug/L
RT: 7.67 min Scan# 2045
Delta R.T. -0.03 min
Lab File: VV011730.D
Acq: 24 Jun 2019 15:09

Tgt Ion: 75 Resp: 1191
Ion Ratio Lower Upper
75 100
77 39.0 22.7 42.1





#66

1,2-Dibromo-3-chloropropane

Concen: 0.236 ug/L

RT: 12.31 min Scan# 3488

Delta R.T. -0.17 min

Lab File: VV011730.D

Acq: 24 Jun 2019 15:09

Instrument :

MSVOA_V

ClientSampleId :

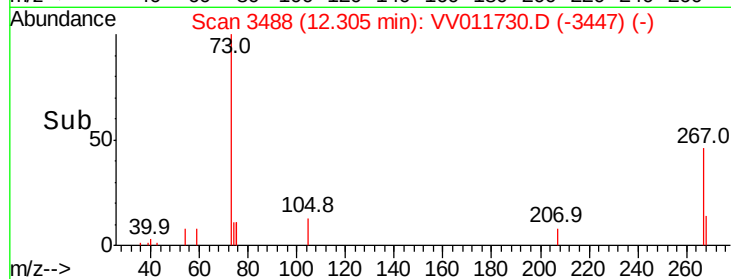
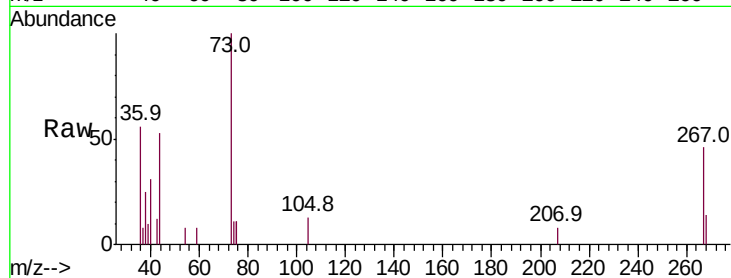
Tot Ion: 75 Resp: 279

Ion Ratio Lower Upper

75 100

155 0.0 59.4 89.0#

157 0.0 77.5 116.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

