

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101618\
 Data File : VV008295.D
 Acq On : 16 Oct 2018 13:32
 Operator : SY/MD
 Sample : J5406-06
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AK0

Quant Time: Oct 17 02:31:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 17 02:28:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	99662	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	89363	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	35018	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	26529	4.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.20%
7) Chloroethane-d5	1.58	69	20539	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.40%
11) 1,1-Dichloroethene-d2	2.13	63	38553	3.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.40%
20) 2-Butanone-d5	3.99	46	90241	47.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.54%
24) Chloroform-d	4.41	84	54539	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
26) 1,2-Dichloroethane-d4	5.09	65	29528	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
32) Benzene-d6	5.10	84	118716	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	6.12	67	40982	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.80%
41) Toluene-d8	7.36	98	105326	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
43) trans-1,3-Dichloropropene-	7.67	79	14119	3.94	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.80%
46) 2-Hexanone-d5	8.14	63	52243	41.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.18%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	23678	4.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	31232	4.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.00%

Target Compounds

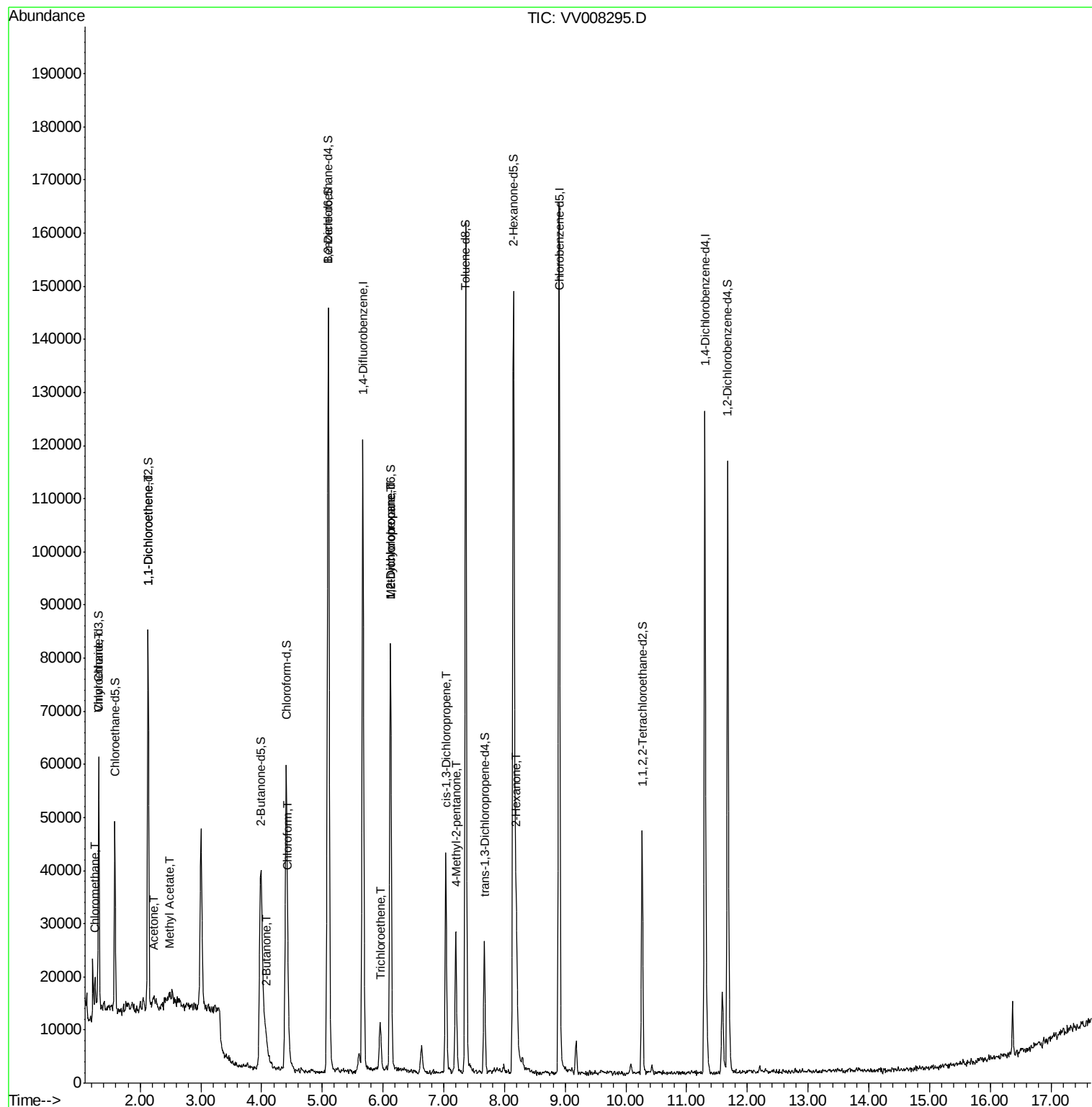
					Ovalue
3) Chloromethane	1.25	50	3005	0.384 ug/L	94
8) Chloroethane	1.32	64	386	0.100 ug/L #	1
12) 1,1-Dichloroethene	2.14	96	1013	0.212 ug/L #	1
13) Acetone	2.23	43	3095	3.028 ug/L	50
15) Methyl Acetate	2.48	43	652	0.256 ug/L #	50
21) 2-Butanone	4.08	43	6199	2.921 ug/L	95
25) Chloroform	4.44	83	1148	0.088 ug/L	81
34) Trichloroethene	5.96	95	1072	0.128 ug/L	94
35) Methylcyclohexane	6.12	83	9230	0.656 ug/L #	17
37) 1,2-Dichloropropane	6.12	63	4303	0.530 ug/L #	90
39) cis-1,3-Dichloropropene	7.04	75	929	0.080 ug/L #	35
40) 4-Methyl-2-pentanone	7.20	43	13900	2.793 ug/L #	1
48) 2-Hexanone	8.20	43	19443	5.346 ug/L #	86

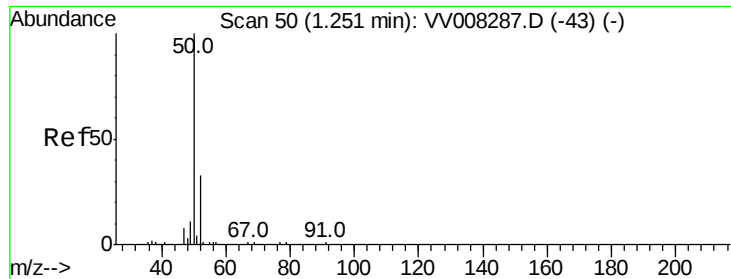
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.384 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008295.D

Acq: 16 Oct 2018 13:32

Instrument :

MSVOA_V

ClientSampleId :

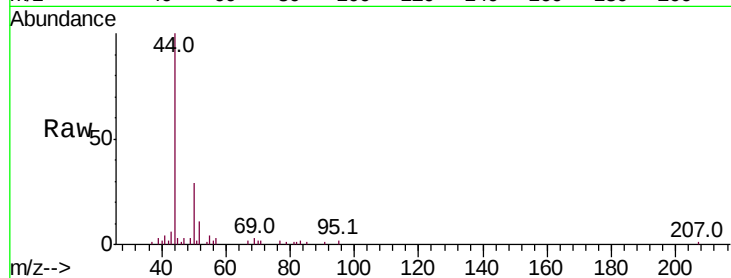
C0AK0

Tot Ion: 50 Resp: 3005

Ion Ratio Lower Upper

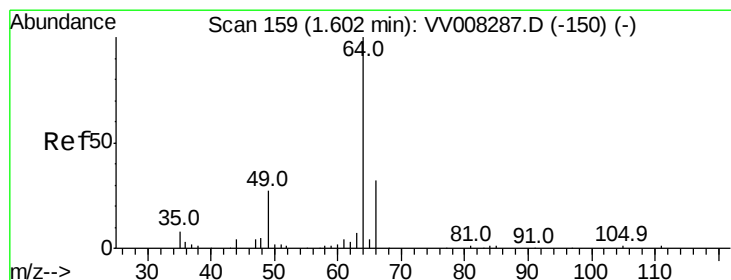
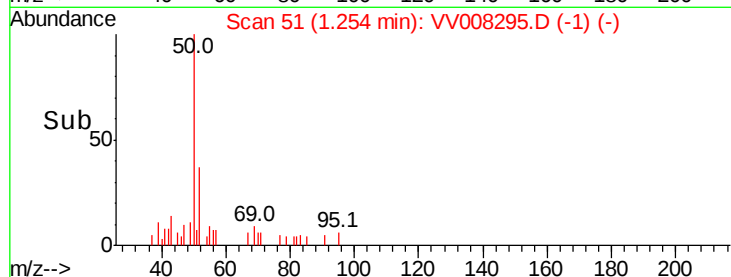
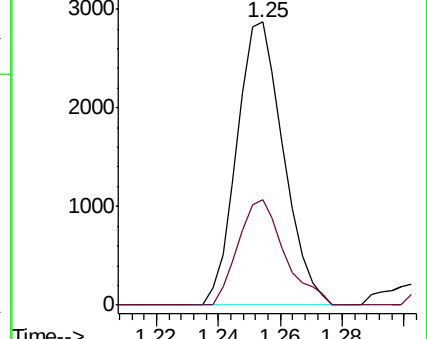
50 100

52 37.4 23.7 43.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#8

Chloroethane

Concen: 0.100 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV008295.D

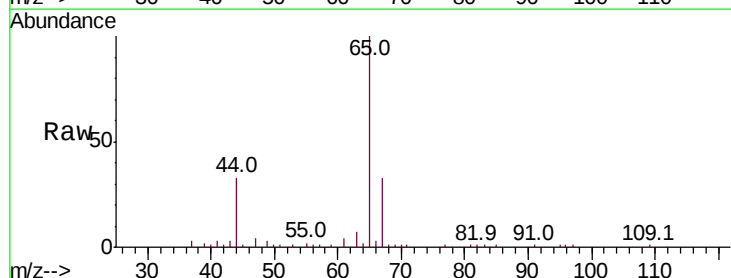
Acq: 16 Oct 2018 13:32

Tgt Ion: 64 Resp: 386

Ion Ratio Lower Upper

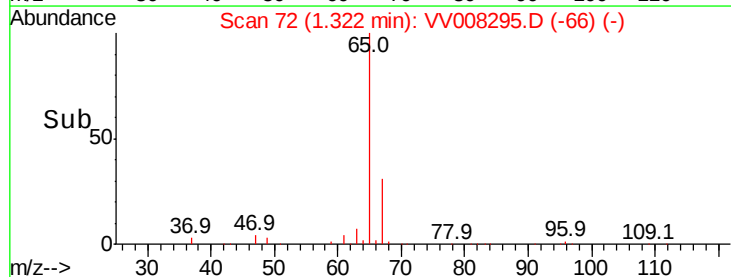
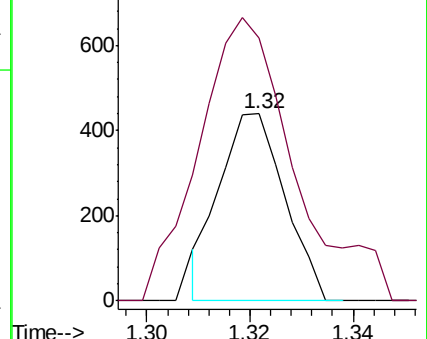
64 100

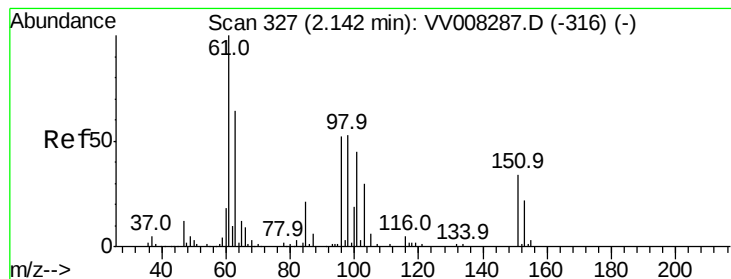
66 140.5 22.5 41.9#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#12

1,1-Dichloroethene

Concen: 0.212 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VV008295.D

Acq: 16 Oct 2018 13:32

Instrument :

MSVOA_V

ClientSampled :

C0AK0

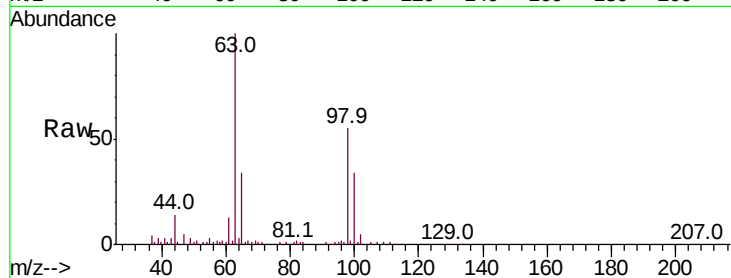
Tot Ion: 96 Resp: 1013

Ion Ratio Lower Upper

96 100

61 781.4 129.9 241.3#

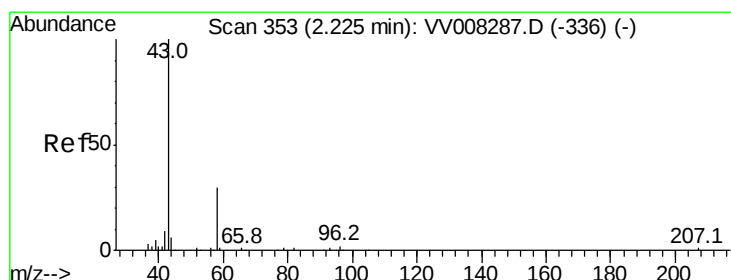
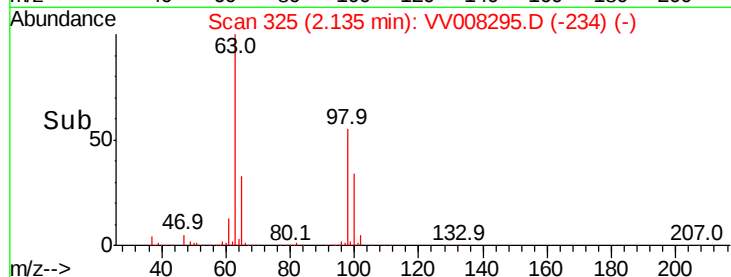
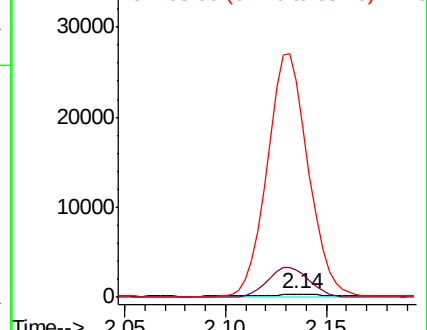
63 6206.2 103.0 191.4#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0



#13

Acetone

Concen: 3.028 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.00 min

Lab File: VV008295.D

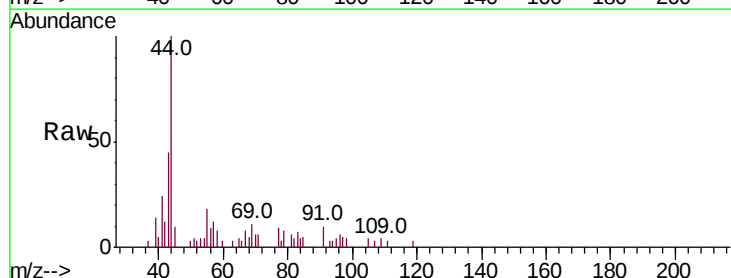
Acq: 16 Oct 2018 13:32

Tgt Ion: 43 Resp: 3095

Ion Ratio Lower Upper

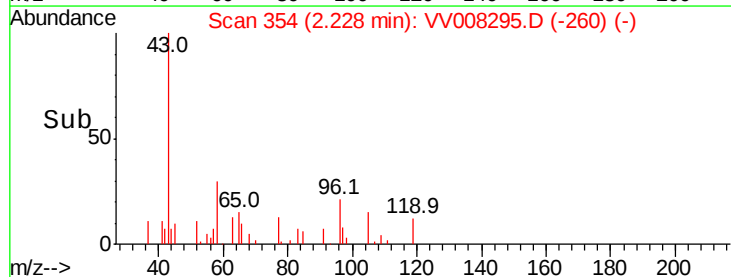
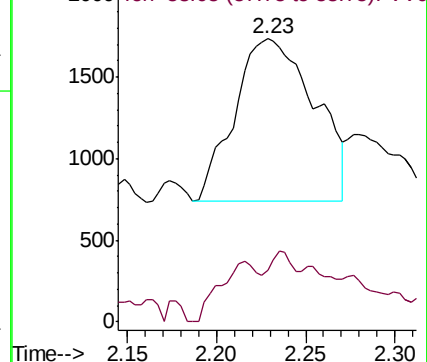
43 100

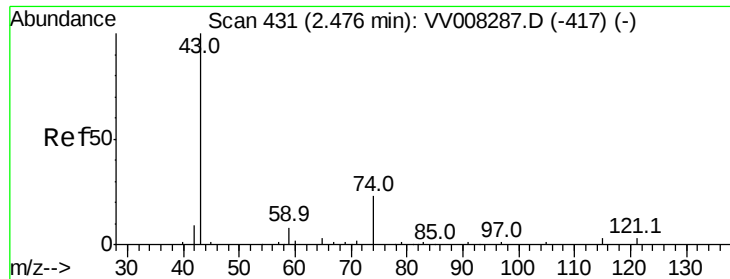
58 3.4 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

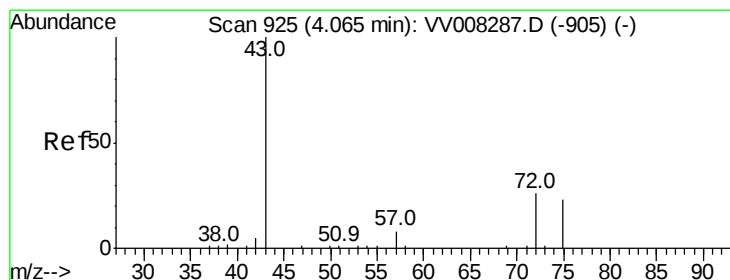
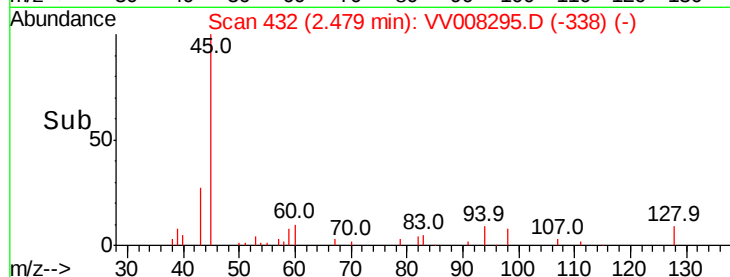
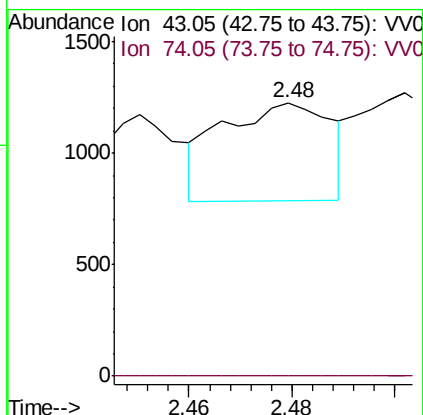
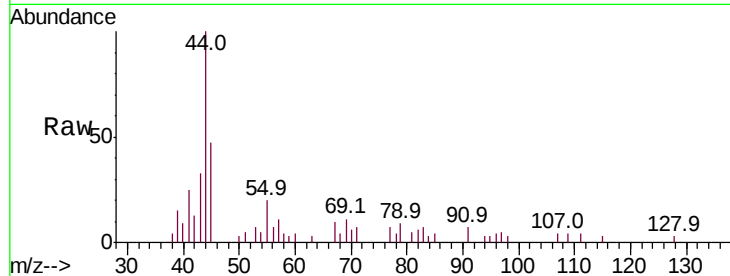




#15
Methyl Acetate
Concen: 0.256 ug/L
RT: 2.48 min Scan# 432
Delta R.T. 0.00 min
Lab File: VV008295.D
Acq: 16 Oct 2018 13:32

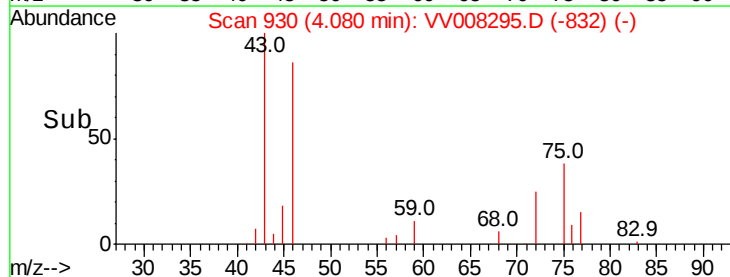
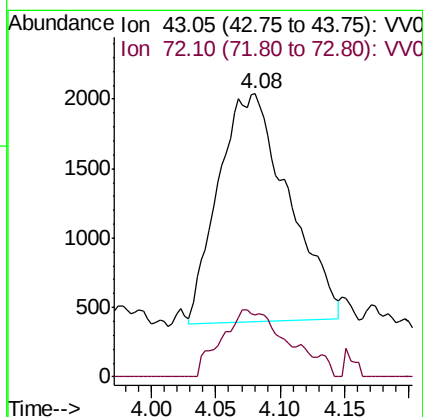
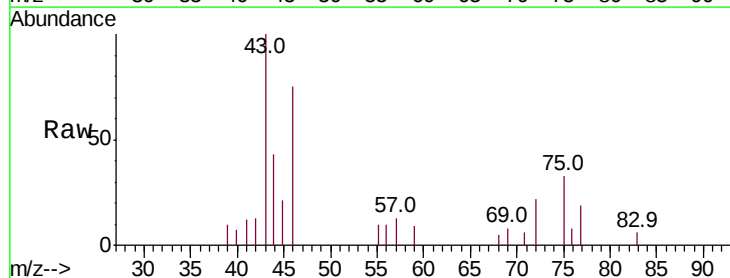
Instrument :
MSVOA_V
ClientSampleId :
C0AK0

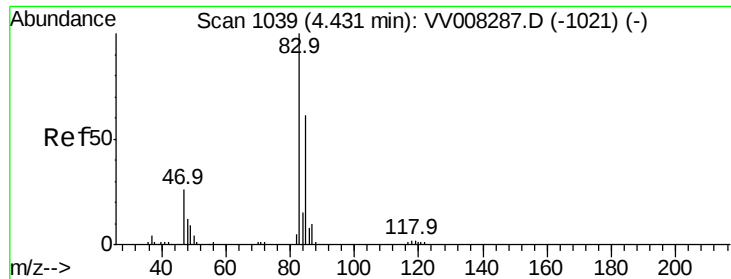
Tot Ion: 43 Resp: 652
Ion Ratio Lower Upper
43 100
74 0.0 20.0 30.0#



#21
2-Butanone
Concen: 2.921 ug/L
RT: 4.08 min Scan# 930
Delta R.T. 0.02 min
Lab File: VV008295.D
Acq: 16 Oct 2018 13:32

Tgt Ion: 43 Resp: 6199
Ion Ratio Lower Upper
43 100
72 28.3 12.9 38.7





#25

Chloroform

Concen: 0.088 ug/L

RT: 4.44 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VV008295.D

Acq: 16 Oct 2018 13:32

Instrument :

MSVOA_V

ClientSampled :

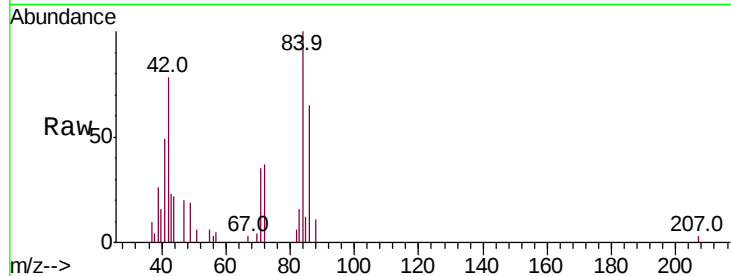
C0AK0

Tot Ion: 83 Resp: 1148

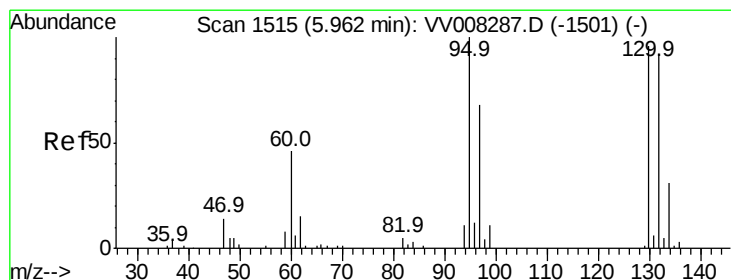
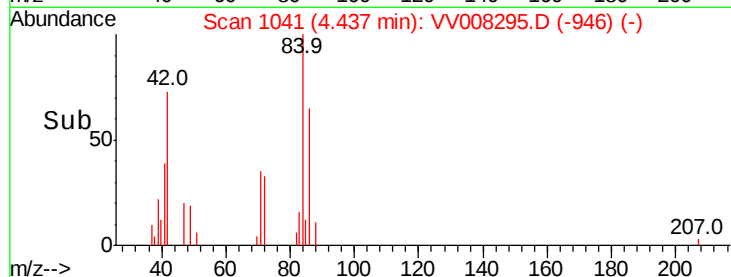
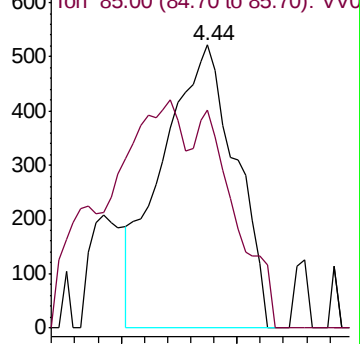
Ion Ratio Lower Upper

83 100

85 76.8 43.4 80.6



Abundance Ion 83.05 (82.75 to 83.75): VV008287.D (-1021) (-)



#34

Trichloroethene

Concen: 0.128 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV008295.D

Acq: 16 Oct 2018 13:32

Tgt Ion: 95 Resp: 1072

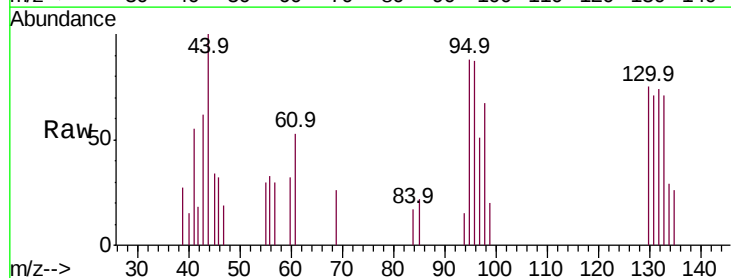
Ion Ratio Lower Upper

95 100

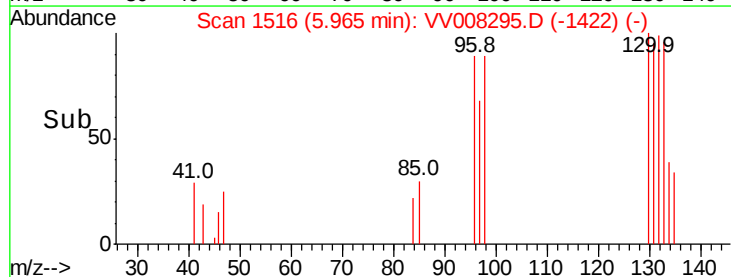
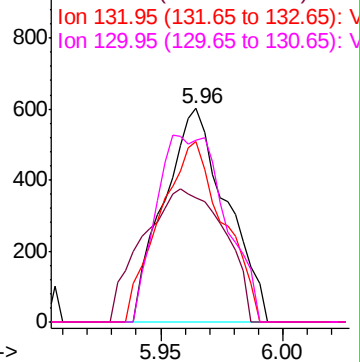
97 58.1 44.4 82.4

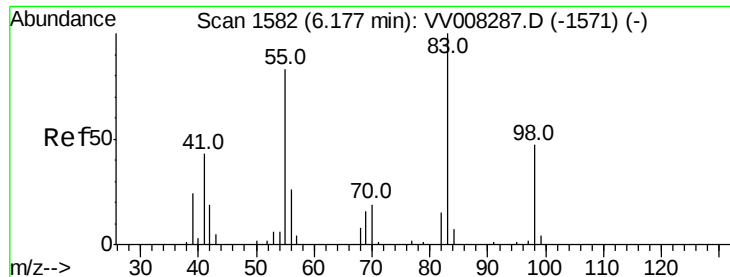
132 84.4 60.4 112.2

130 85.4 65.5 121.7



Abundance Ion 95.00 (94.70 to 95.70): VV008287.D (-1501) (-)





#35

Methvlcvclohexane

Concen: 0.656 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.05 min

Lab File: VV008295.D

Acq: 16 Oct 2018 13:32

Instrument :

MSVOA_V

ClientSampleId :

C0AK0

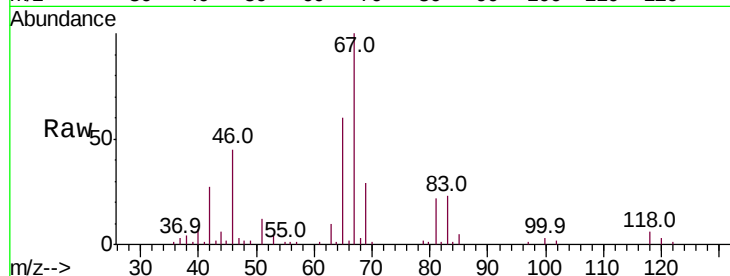
Tot Ion: 83 Resp: 9230

Ion Ratio Lower Upper

83 100

55 0.4 64.0 96.0#

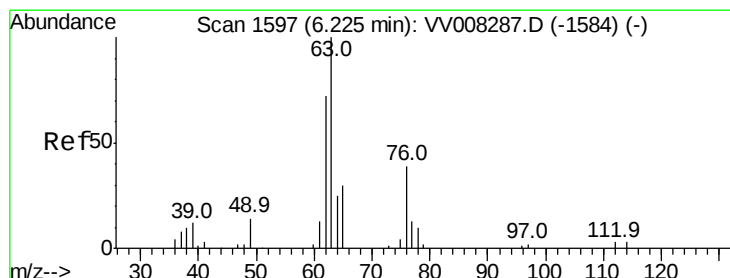
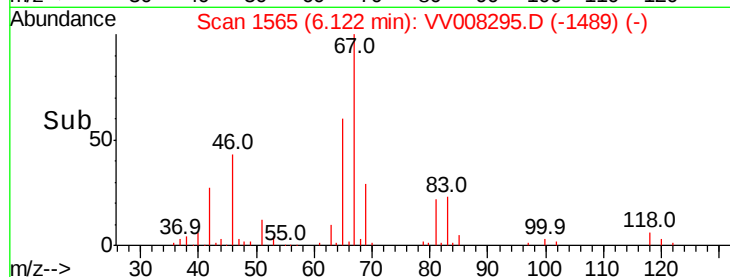
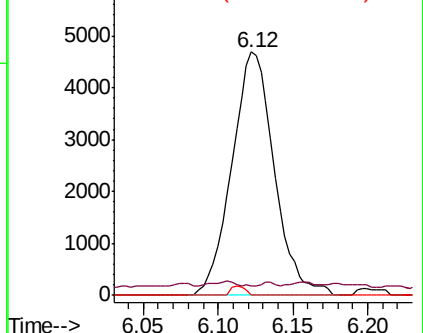
98 0.0 37.0 55.4#



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: 0.530 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.10 min

Lab File: VV008295.D

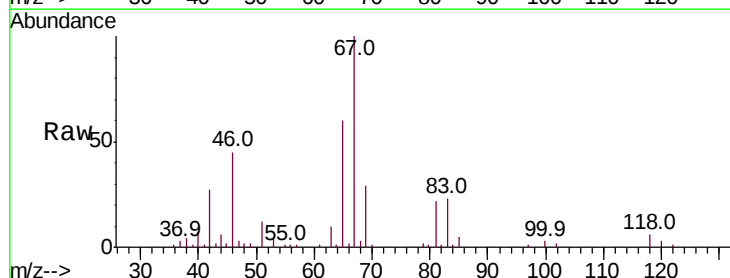
Acq: 16 Oct 2018 13:32

Tgt Ion: 63 Resp: 4303

Ion Ratio Lower Upper

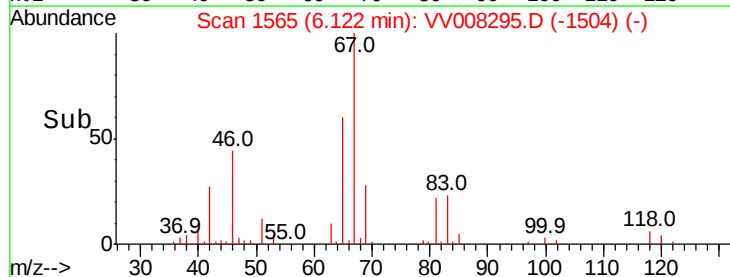
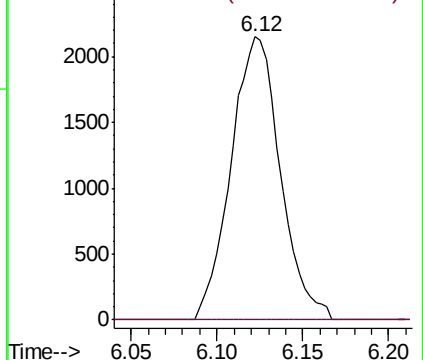
63 100

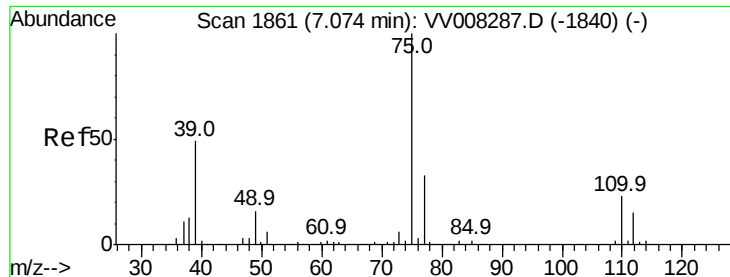
112 0.0 2.6 3.8#



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: 0.080 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV008295.D

Acq: 16 Oct 2018 13:32

Instrument :

MSVOA_V

ClientSampleId :

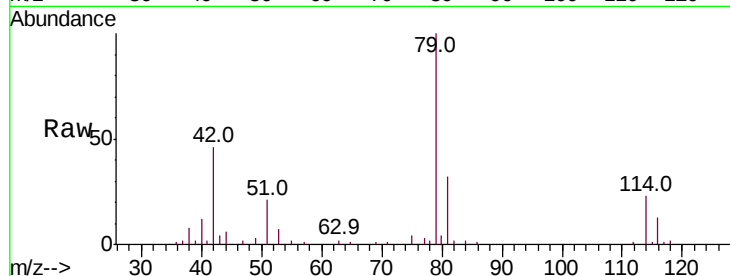
C0AK0

Tot Ion: 75 Resp: 929

Ion Ratio Lower Upper

75 100

77 68.0 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VV008287.D (-1840) (-)

Ion 77.05 (76.75 to 77.75): VV008287.D (-1840) (-)

7.04

600

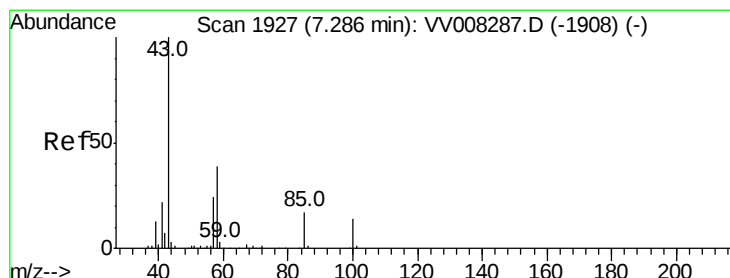
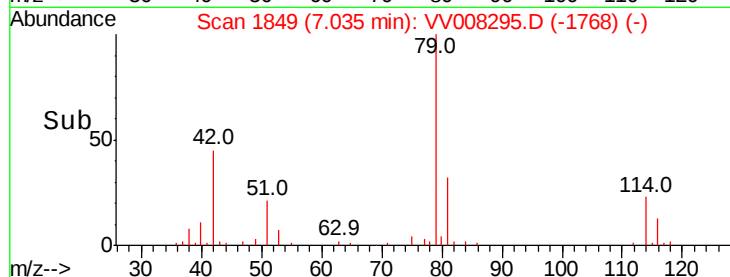
400

200

0

7.00 7.02 7.04 7.06

Time-->



#40

4-Methyl-2-pentanone

Concen: 2.793 ug/L

RT: 7.20 min Scan# 1900

Delta R.T. -0.09 min

Lab File: VV008295.D

Acq: 16 Oct 2018 13:32

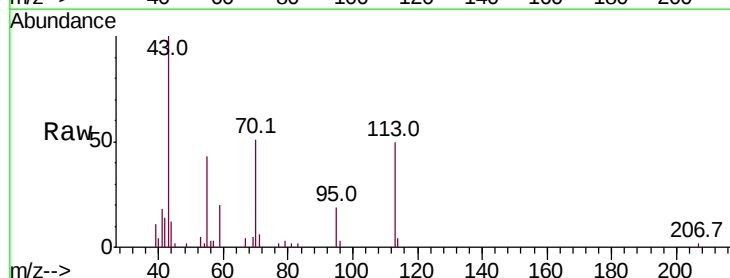
Tgt Ion: 43 Resp: 13900

Ion Ratio Lower Upper

43 100

58 7.5 31.3 46.9#

100 485.9 10.5 15.7#



Abundance Ion 43.05 (42.75 to 43.75): VV008287.D (-1908) (-)

Ion 58.05 (57.75 to 58.75): VV008287.D (-1908) (-)

Ion 100.15 (99.85 to 100.85): VV008287.D (-1908) (-)

7.20

10000

8000

6000

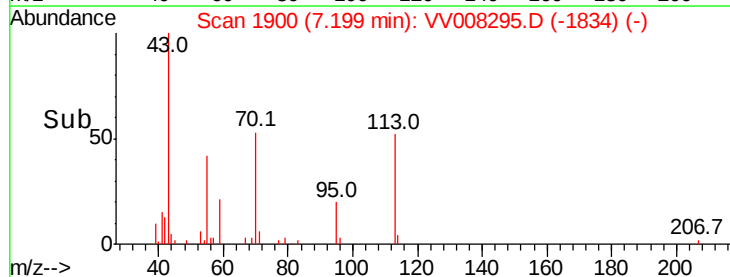
4000

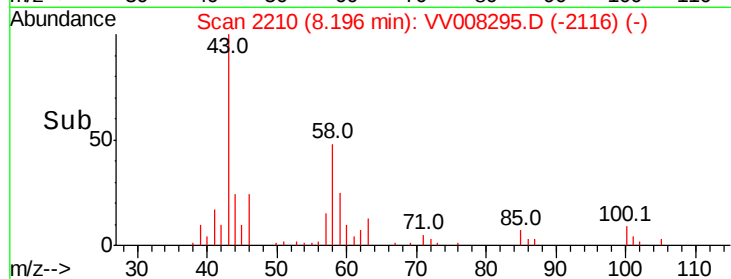
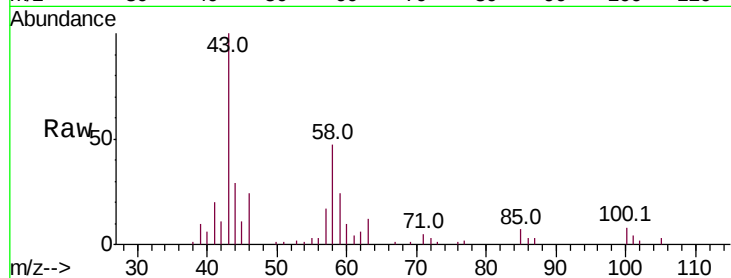
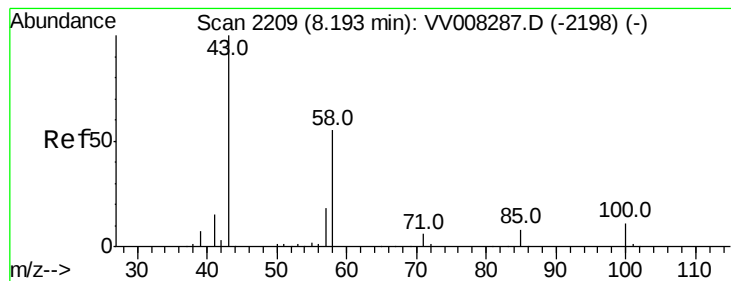
2000

0

7.10 7.15 7.20 7.25

Time-->





#48

2-Hexanone

Concen: 5.346 ug/L

RT: 8.20 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VV008295.D

Acq: 16 Oct 2018 13:32

Instrument :

MSVOA_V

ClientSampleId :

C0AK0

Tot Ion: 43 Resp: 19443

Ion Ratio Lower Upper

43 100

58 43.9 45.0 67.4#

57 14.5 14.4 21.6

100 7.4 7.9 11.9#

Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

