

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083118\
 Data File : VN050997.D
 Acq On : 31 Aug 2018 19:21
 Operator : MD\SY
 Sample : VN0831WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBL02

Quant Time: Aug 31 23:08:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	112367	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	576486	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	463553	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	219125	30.56	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.87%
60) 4-Bromofluorobenzene	12.40	95	140724	20.42	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	68.07%
63) Toluene-d8	10.09	98	674152	31.19	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.97%

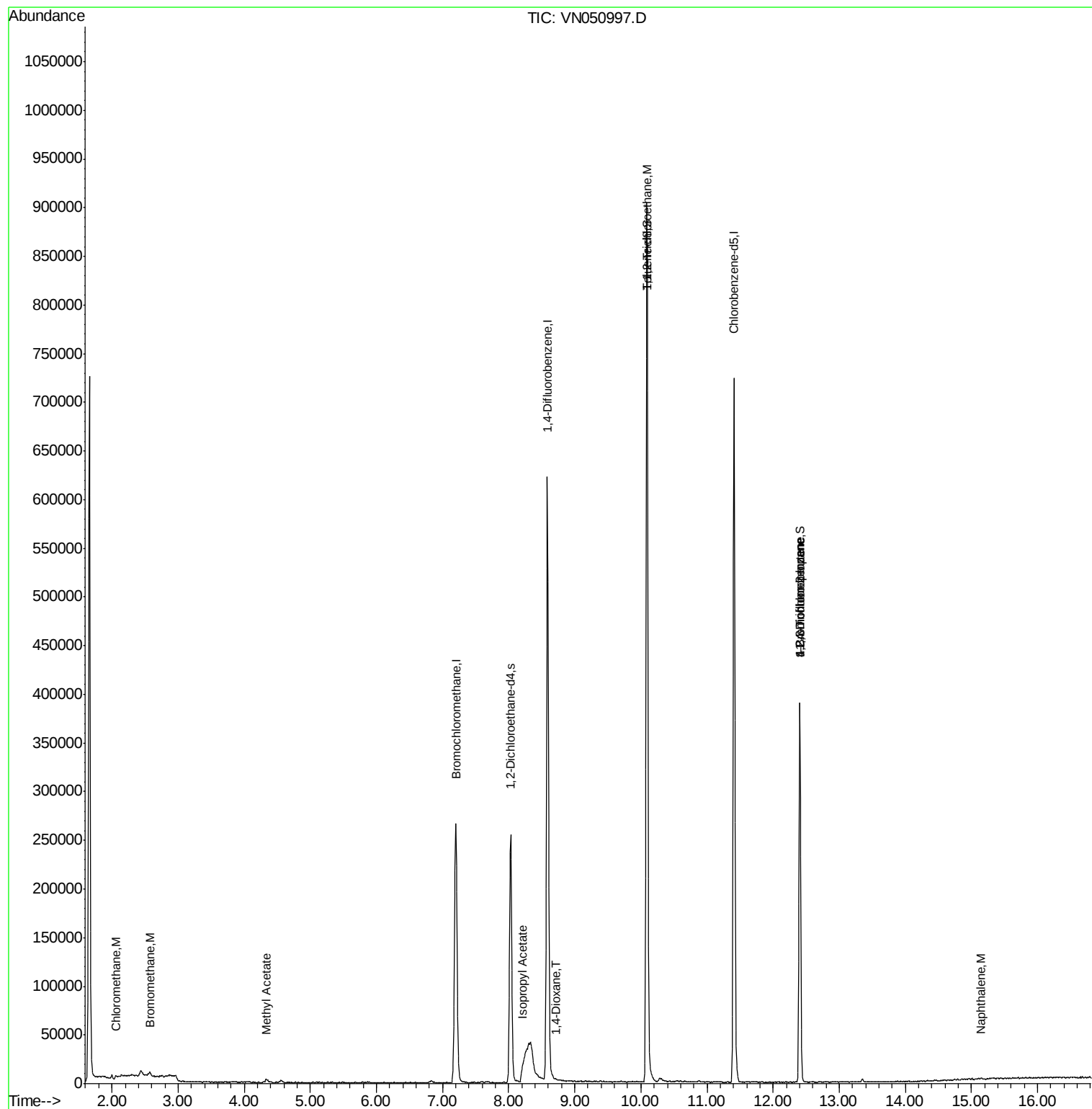
Target Compounds					Ovalue
3) Chloromethane	2.06	50	1833	0.22 ug/l	91
5) Bromomethane	2.57	94	3004	0.61 ug/l #	79
12) Methyl Acetate	4.33	43	5124	0.73 ug/l	91
44) Isopropyl Acetate	8.21	43	6900	0.72 ug/l #	58
45) 1,4-Dioxane	8.72	88	107	1.50 ug/l #	1
50) 1,1,2-Trichloroethane	10.10	97	20929	3.43 ug/l #	1
72) 1,2,3-Trichloropropane	12.40	75	62729	10.26 ug/l	1
77) t-1,4-Dichloro-2-butene	12.40	75	62729	36.02 ug/l #	13
91) Naphthalene	15.14	128	1111	8.65 ug/l #	69

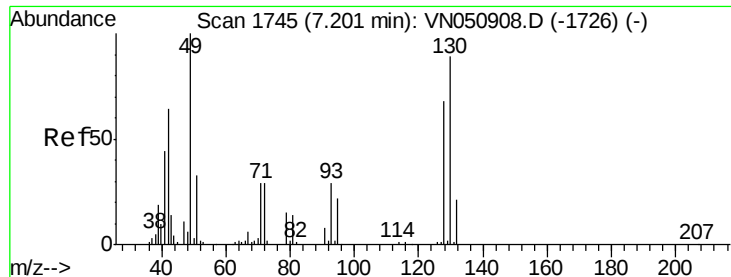
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 29 01:38:44 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050997.D

Acq: 31 Aug 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBL02

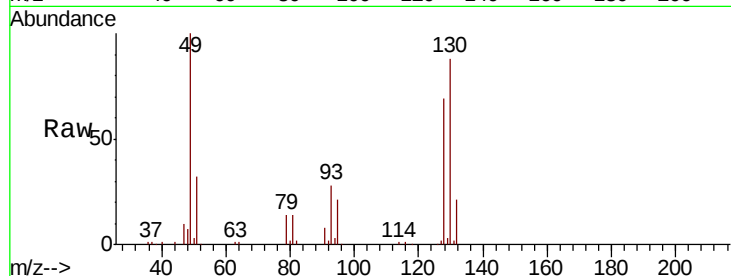
Tot Ion:128 Resp: 112367

Ion Ratio Lower Upper

128 100

49 149.5 0.0 380.3

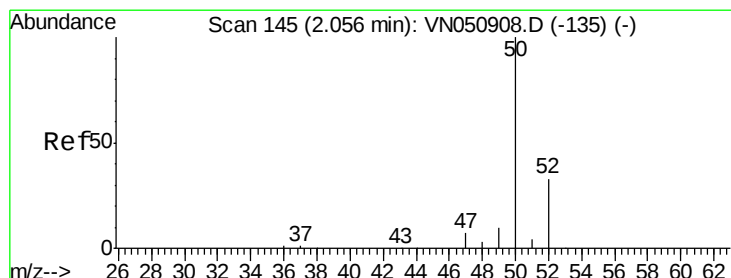
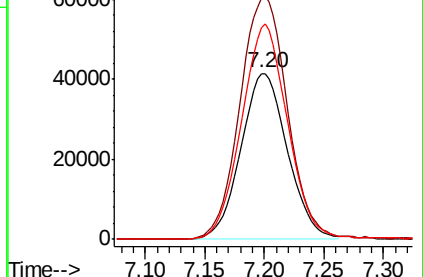
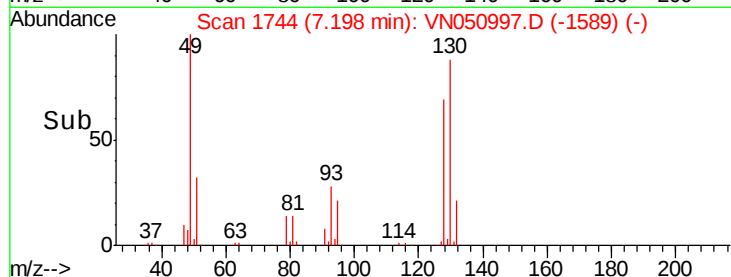
130 128.4 0.0 325.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#3

Chloromethane

Concen: 0.22 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050997.D

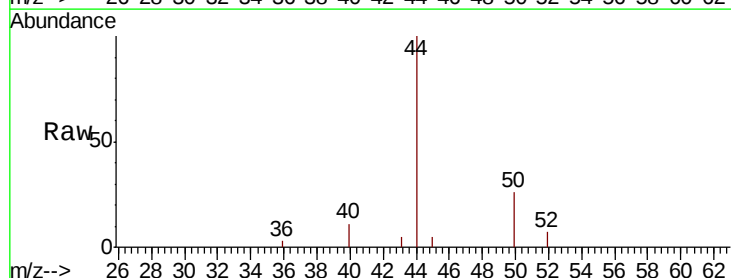
Acq: 31 Aug 2018 19:21

Tgt Ion: 50 Resp: 1833

Ion Ratio Lower Upper

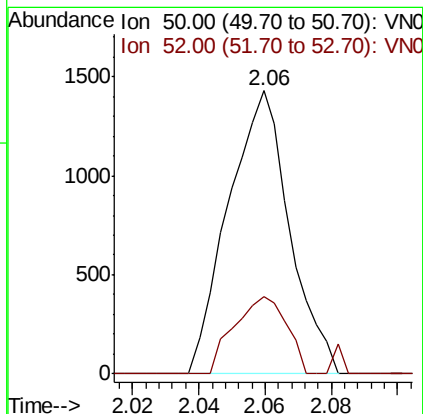
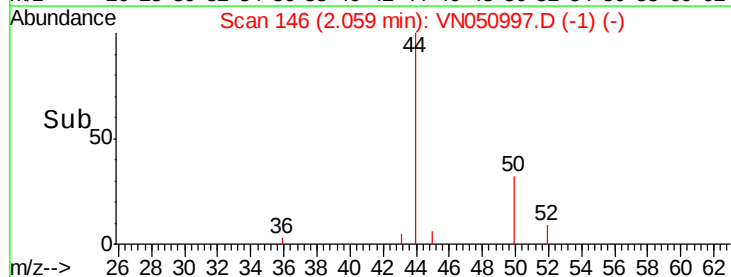
50 100

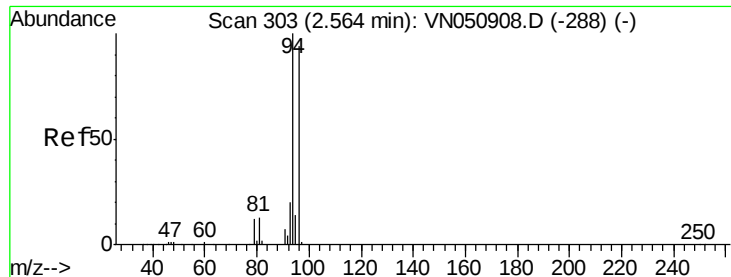
52 27.5 26.2 39.4



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





#5

Bromomethane

Concen: 0.61 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050997.D

Acq: 31 Aug 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

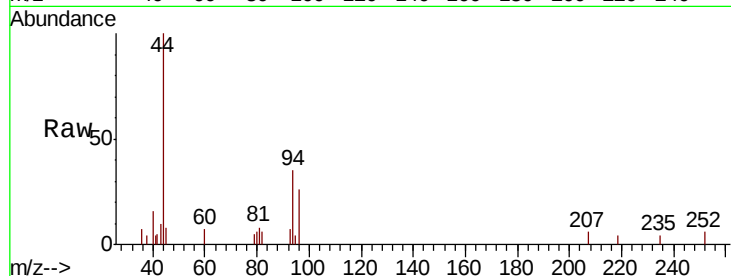
VN0831WBL02

Tot Ion: 94 Resp: 3004

Ion Ratio Lower Upper

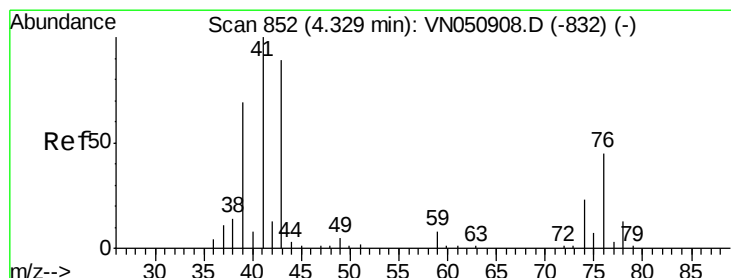
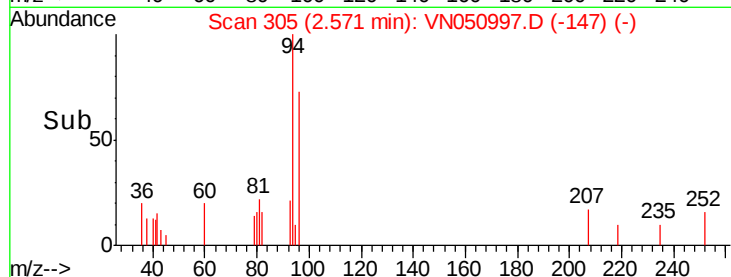
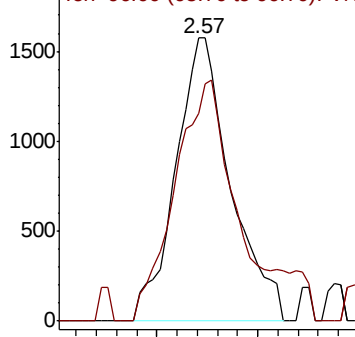
94 100

96 73.5 74.9 112.3#



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#12

Methyl Acetate

Concen: 0.73 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050997.D

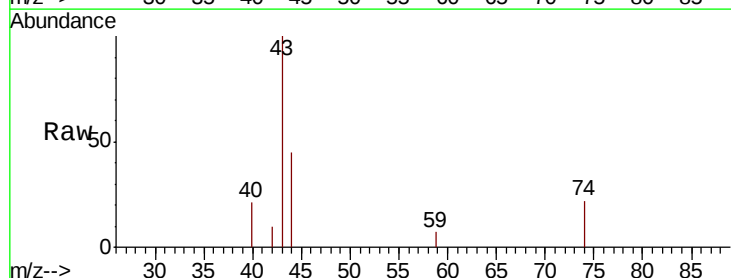
Acq: 31 Aug 2018 19:21

Tgt Ion: 43 Resp: 5124

Ion Ratio Lower Upper

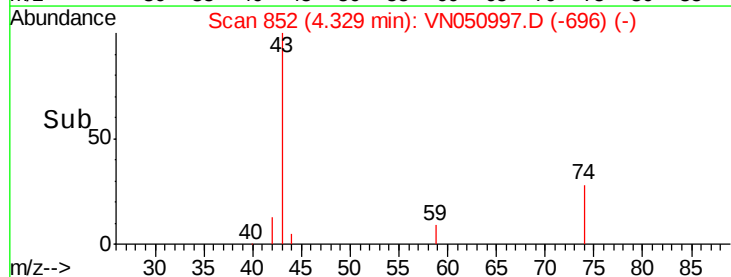
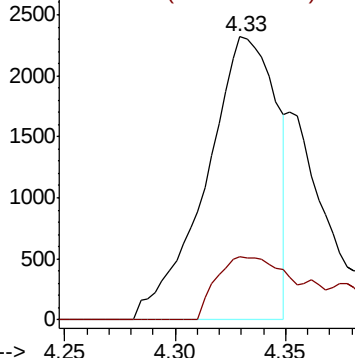
43 100

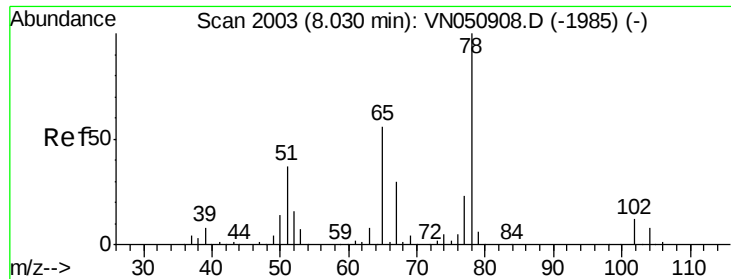
74 21.1 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#27

1,2-Dichloroethane-d4

Concen: 30.56 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050997.D

Acq: 31 Aug 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

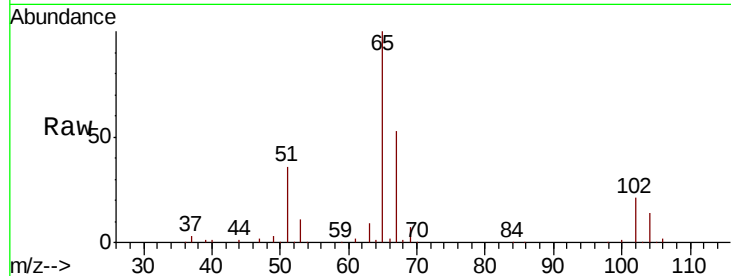
VN0831WBL02

Tot Ion: 65 Resp: 219125

Ion Ratio Lower Upper

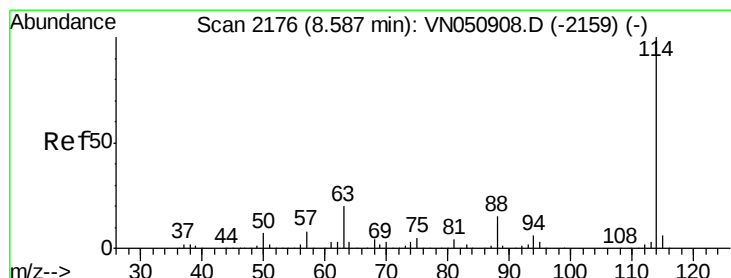
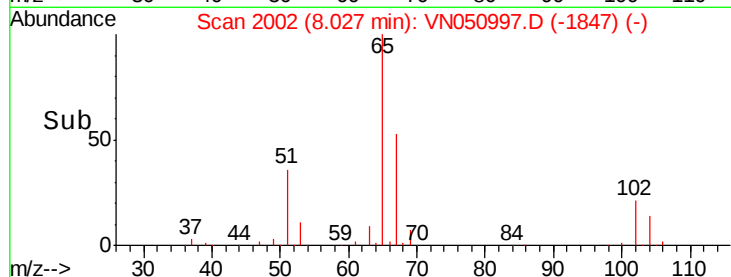
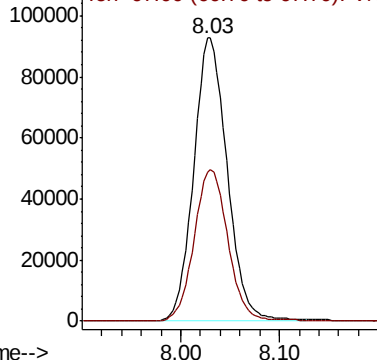
65 100

67 54.1 43.7 65.5



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN050997.D

Acq: 31 Aug 2018 19:21

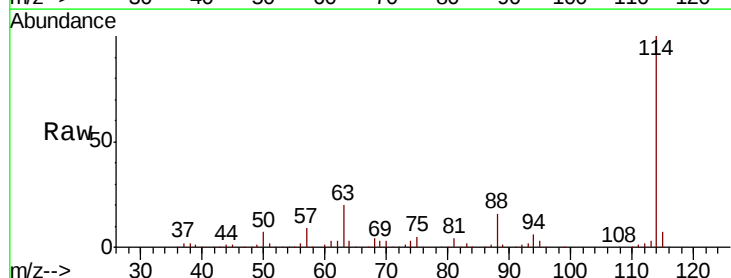
Tgt Ion:114 Resp: 576486

Ion Ratio Lower Upper

114 100

63 19.7 15.6 23.4

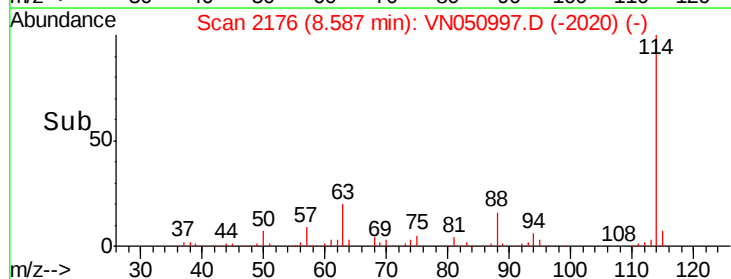
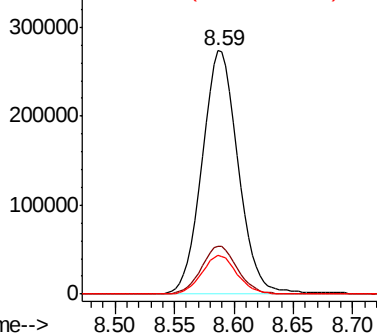
88 15.5 12.2 18.4

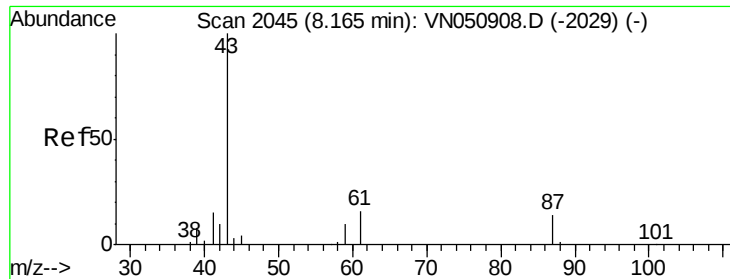


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0





#44

Isopropyl Acetate

Concen: 0.72 ug/l

RT: 8.21 min Scan# 2058

Delta R.T. 0.04 min

Lab File: VN050997.D

Acq: 31 Aug 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

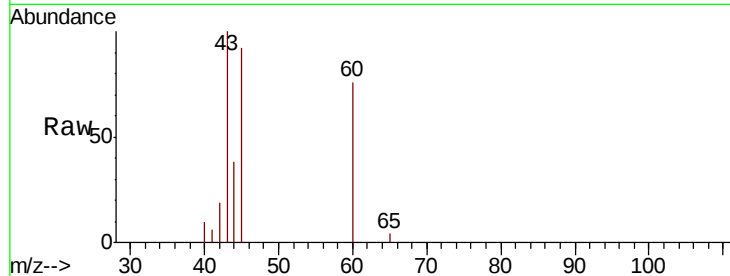
VN0831WBL02

Tot Ion: 43 Resp: 6900

Ion Ratio Lower Upper

43 100

61 0.9 16.3 24.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

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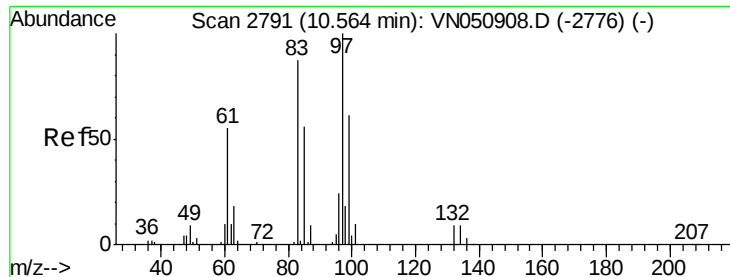
10.81

10.82

10.83

10.84

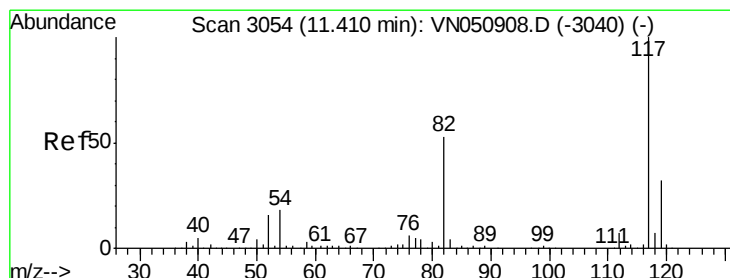
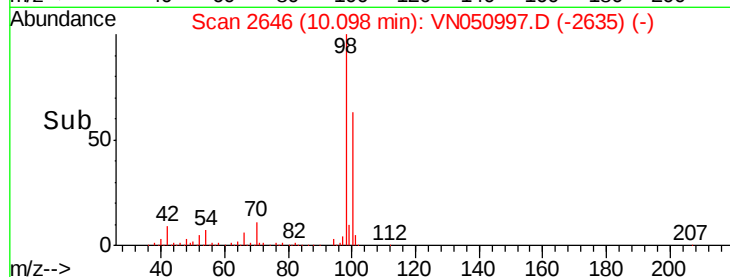
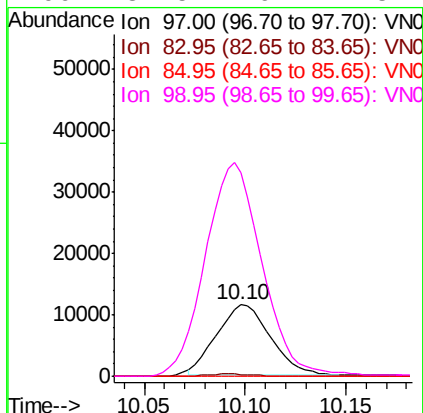
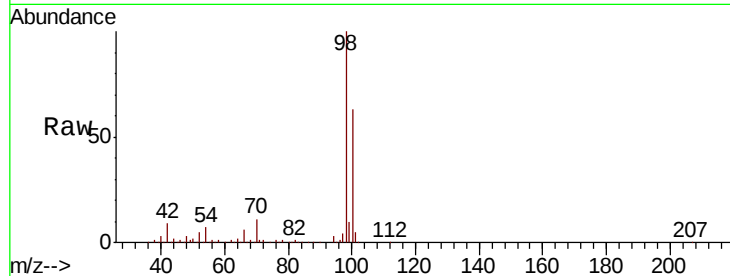
10.85



#50
1,1,2-Trichloroethane
Concen: 3.43 ug/l
RT: 10.10 min Scan# 2646
Delta R.T. -0.47 min
Lab File: VN050997.D
Acq: 31 Aug 2018 19:21

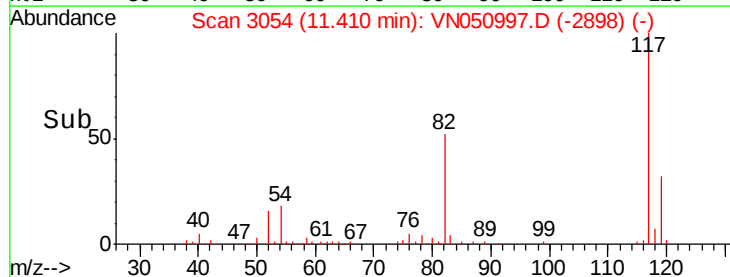
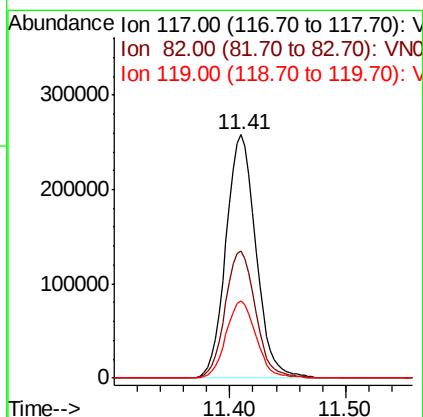
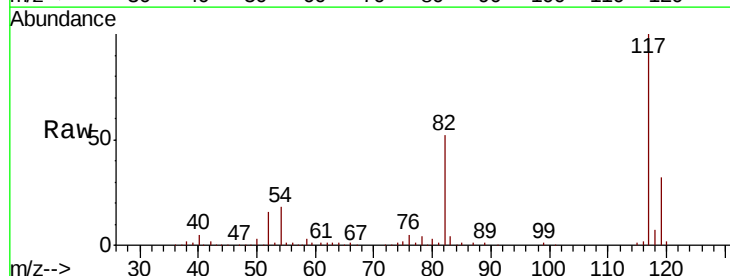
Instrument :
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VN0831WBL02

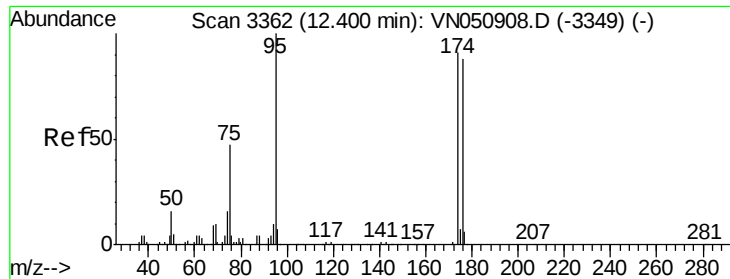
Tot Ion	97	Resp	20929
Ion Ratio	Lower	Upper	
97	100		
83	2.5	69.8	104.6#
85	0.0	45.0	67.6#
99	287.5	49.1	73.7#



#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050997.D
Acq: 31 Aug 2018 19:21

Tgt Ion	117	Resp	463553
Ion Ratio	Lower	Upper	
117	100		
82	52.9	42.6	64.0
119	31.8	25.7	38.5





#60

4-Bromofluorobenzene

Concen: 20.42 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050997.D

Acq: 31 Aug 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBL02

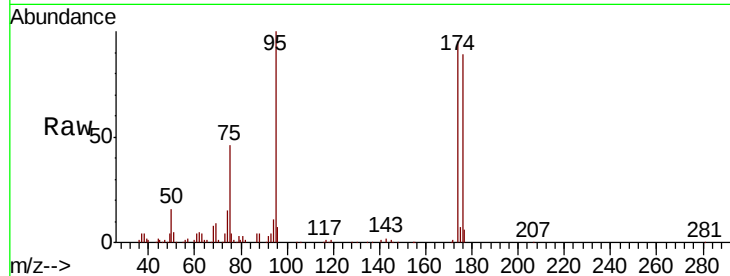
Tot Ion: 95 Resp: 140724

Ion Ratio Lower Upper

95 100

174 93.1 74.6 112.0

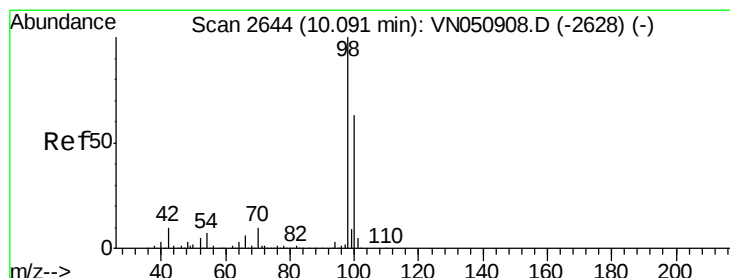
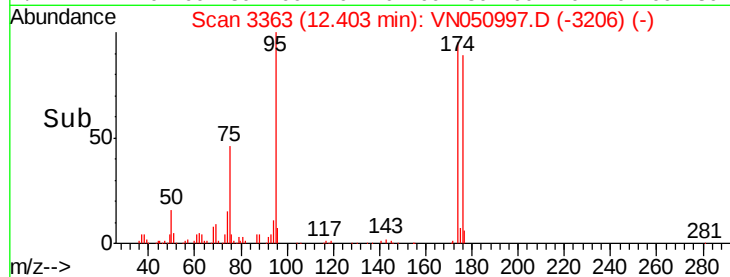
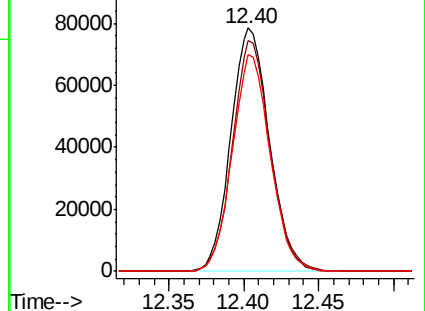
176 87.6 71.5 107.3



Abundance Ion 95.00 (94.70 to 95.70): VN050908.D (-3349) (-)

Ion 174.00 (173.70 to 174.70): VN050908.D (-3349) (-)

Ion 176.00 (175.70 to 176.70): VN050908.D (-3349) (-)



#63

Toluene-d8

Concen: 31.19 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050997.D

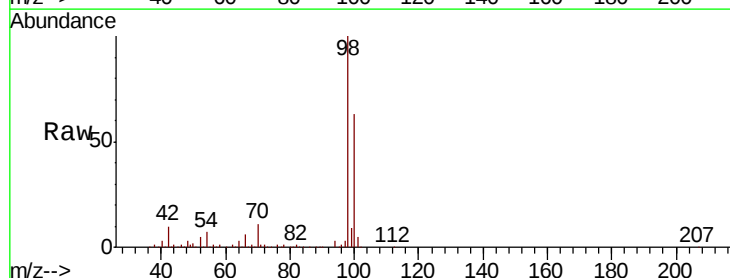
Acq: 31 Aug 2018 19:21

Tgt Ion: 98 Resp: 674152

Ion Ratio Lower Upper

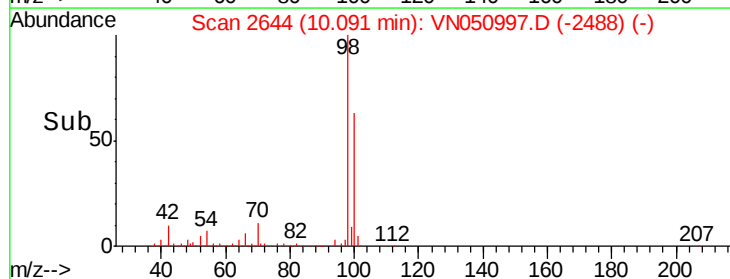
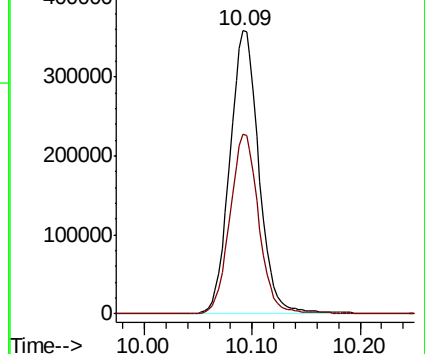
98 100

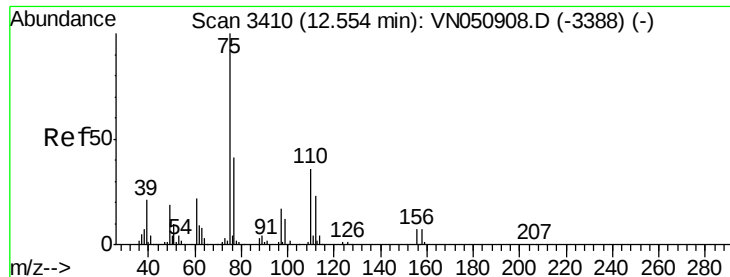
100 63.1 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN050908.D (-2628) (-)

Ion 100.00 (99.70 to 100.70): VN050908.D (-2628) (-)





#72

1,2,3-Trichloropropane

Concen: 10.26 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050997.D

Acq: 31 Aug 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

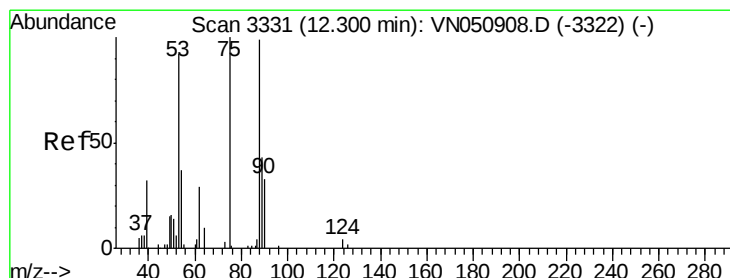
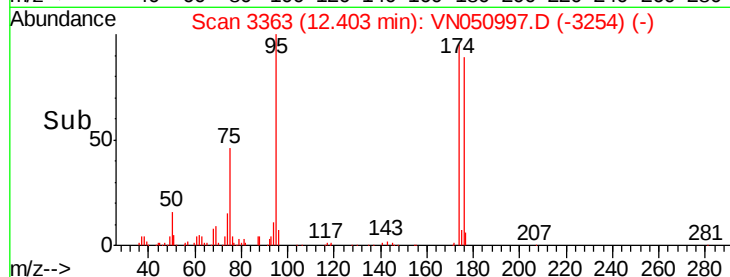
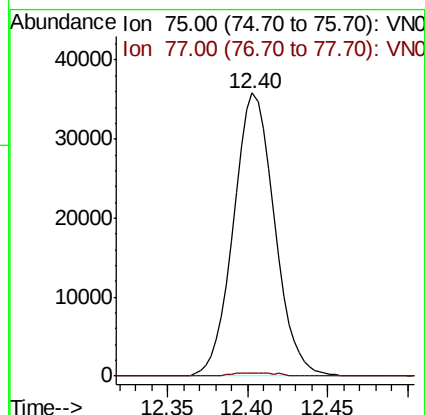
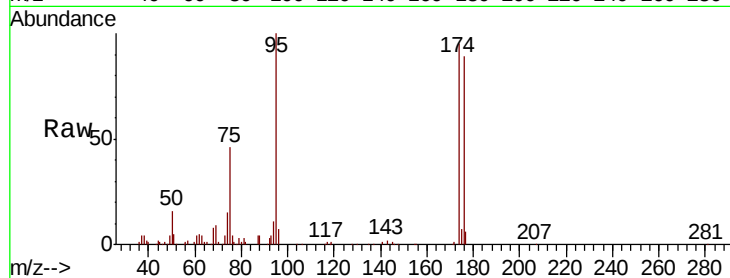
VN0831WBL02

Tot Ion: 75 Resp: 62729

Ion Ratio Lower Upper

75 100

77 1.2 0.0 301.6



#77

t-1,4-Dichloro-2-butene

Concen: 36.02 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050997.D

Acq: 31 Aug 2018 19:21

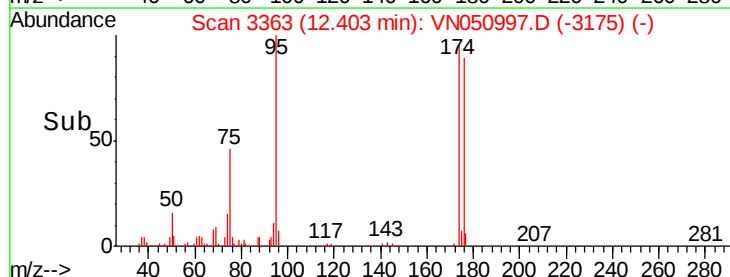
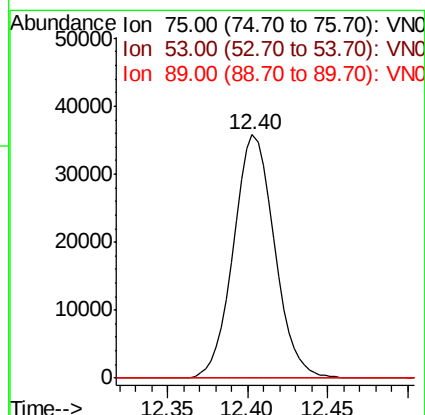
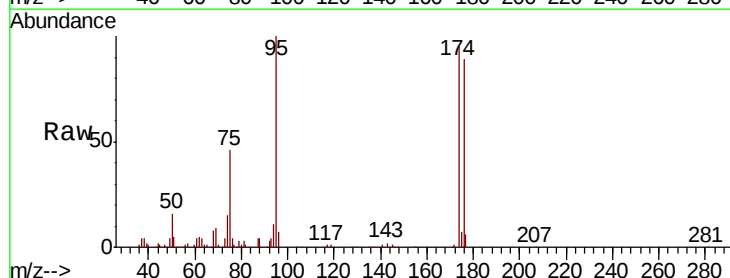
Tgt Ion: 75 Resp: 62729

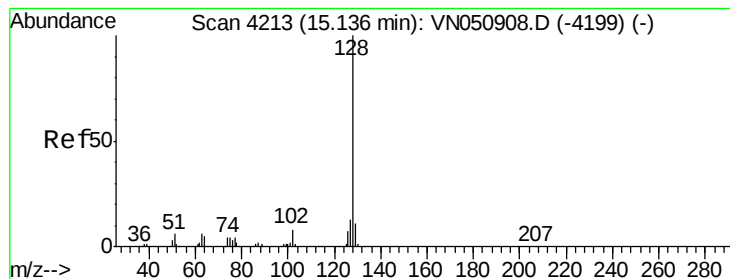
Ion Ratio Lower Upper

75 100

53 0.0 45.5 136.4#

89 0.0 21.9 65.8#





#91

Naphthalene

Concen: 8.65 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050997.D

Acq: 31 Aug 2018 19:21

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBL02

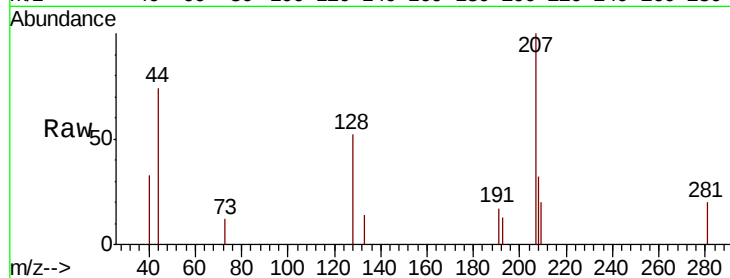
Tot Ion:128 Resp: 1111

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

