

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
 Data File : VN054617.D
 Acq On : 23 Mar 2019 21:56
 Operator : JC/SP
 Sample : VN0323MBL01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323MBL01

Quant Time: Mar 25 03:36:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	565070	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	907375	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	754384	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	264806	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	365634	52.02	ug/l	0.00
Spiked Amount			Recovery	=	104.04%	
35) Dibromofluoromethane	7.59	113	288642	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	
50) Toluene-d8	10.09	98	1087358	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
62) 4-Bromofluorobenzene	12.40	95	330813	44.24	ug/l	0.00
Spiked Amount			Recovery	=	88.48%	

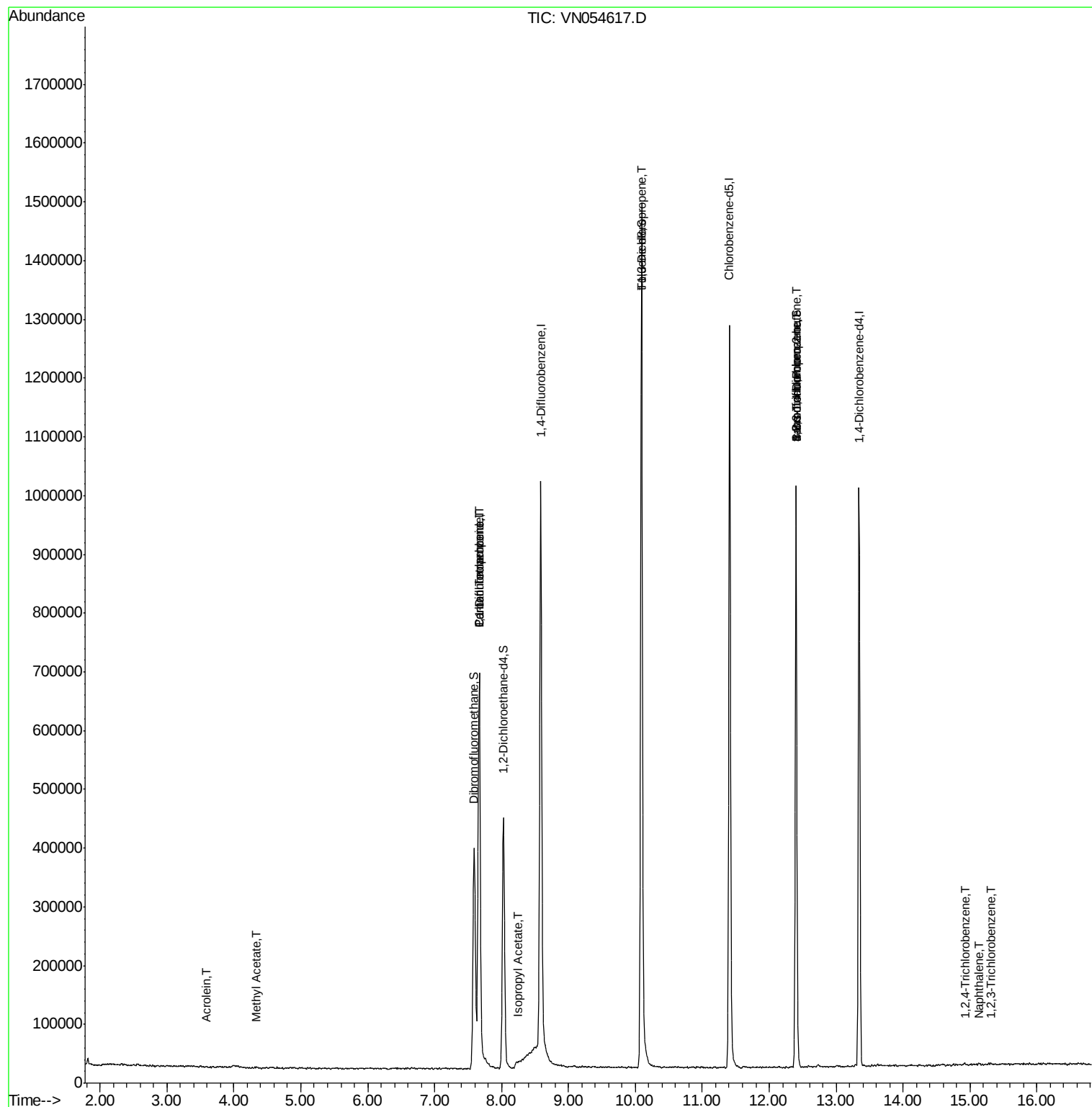
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.59	56	217	0.370	ug/l #	72
18) Methyl Acetate	4.34	43	1512	0.321	ug/l #	88
31) Cyclohexane	7.66	56	12376	Below Cal	#	8
36) 1,1-Dichloropropene	7.66	75	43016	5.070	ug/l #	48
38) Carbon Tetrachloride	7.67	117	53150	6.447	ug/l #	16
43) Isopropyl Acetate	8.25	43	13336	1.309	ug/l #	60
53) t-1,3-Dichloropropene	10.09	75	265	2.262	ug/l #	1
71) Bromoform	12.39	173	773	2.415	ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	169971	40.449	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	169971	133.770	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	1005	0.237	ug/l	72
94) Hexachlorobutadiene	15.00	225	102	Below Cal	#	19
95) Naphthalene	15.14	128	2909	0.308	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.32	180	1033	0.245	ug/l	88

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054617.D

Acq: 23 Mar 2019 21:56

Instrument :

MSVOA_N

ClientSampled :

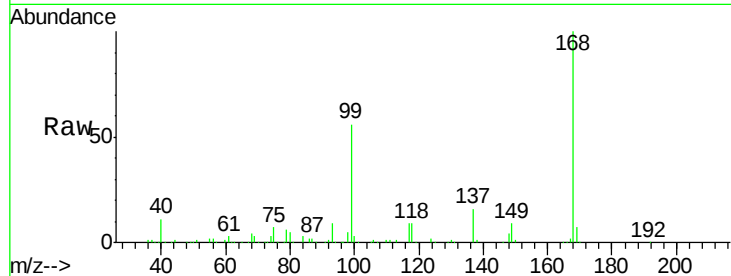
VN0323MBL01

Tot Ion:168 Resp: 565070

Ion Ratio Lower Upper

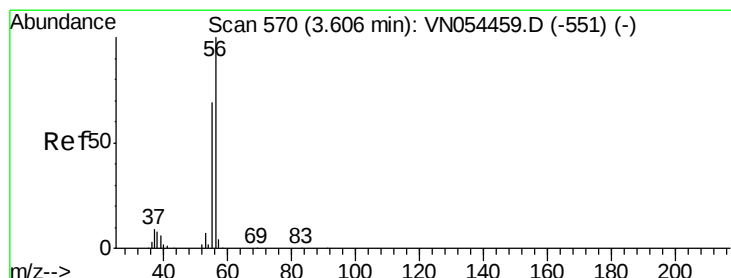
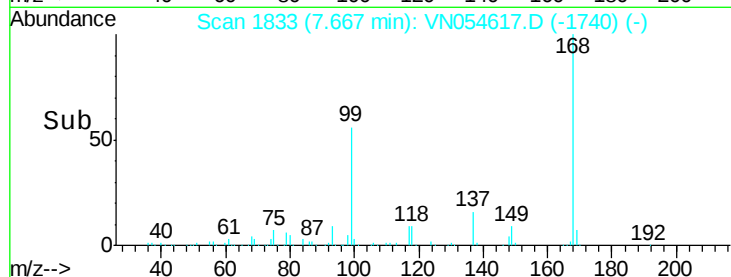
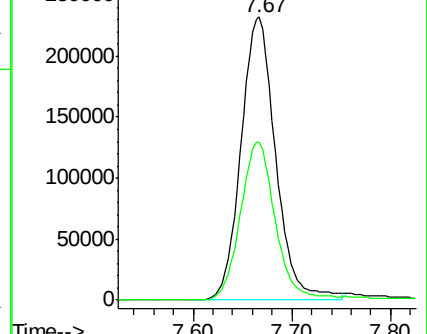
168 100

99 55.9 37.1 55.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#13

Acrolein

Concen: 0.370 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN054617.D

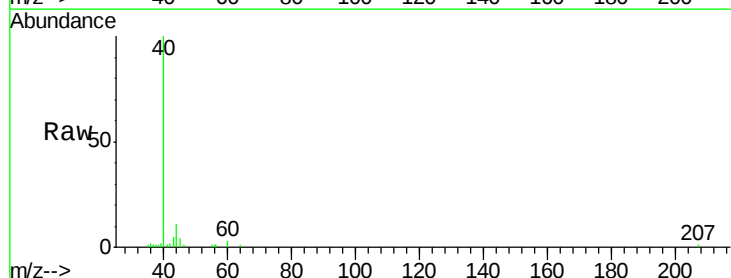
Acq: 23 Mar 2019 21:56

Tgt Ion: 56 Resp: 217

Ion Ratio Lower Upper

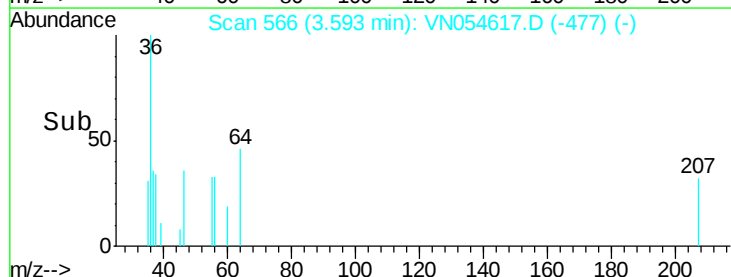
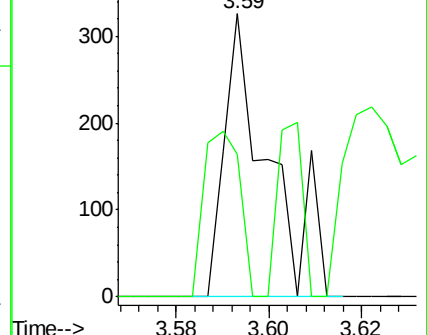
56 100

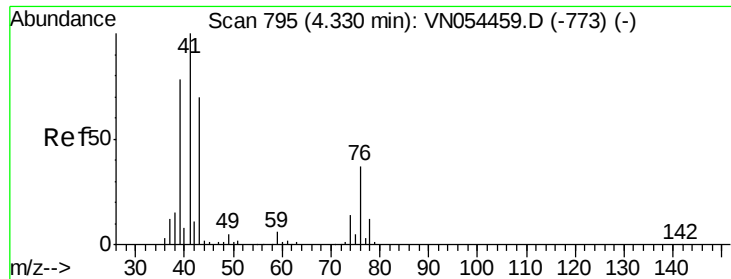
55 47.5 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

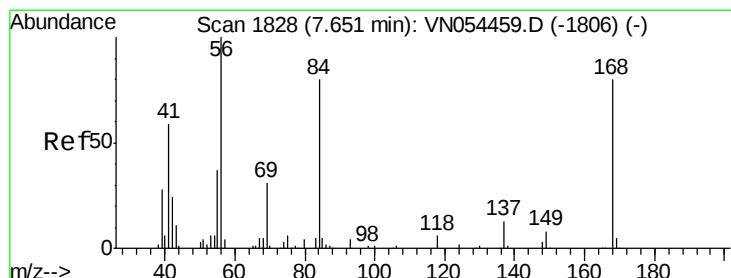
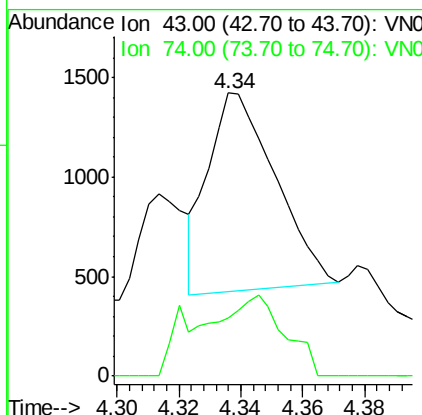
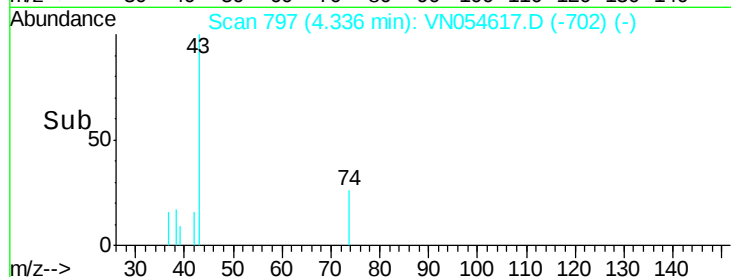
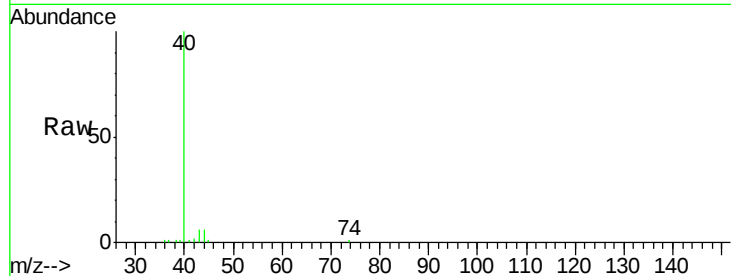




#18
Methyl Acetate
Concen: 0.321 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN054617.D
Acq: 23 Mar 2019 21:56

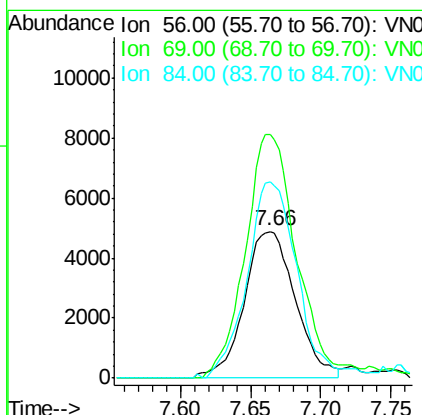
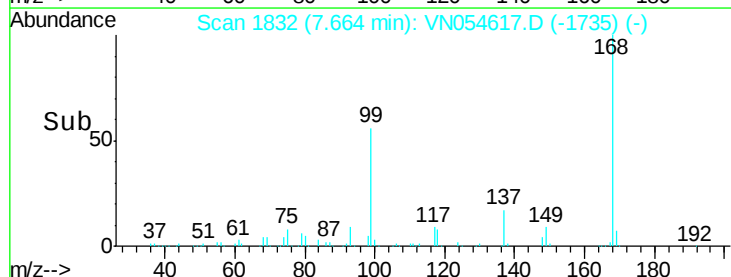
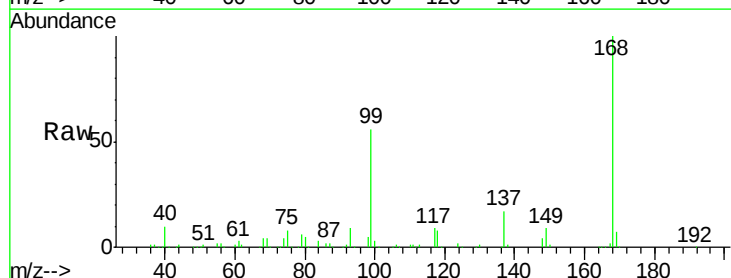
Instrument :
MSVOA_N
ClientSampled :
VN0323MBL01

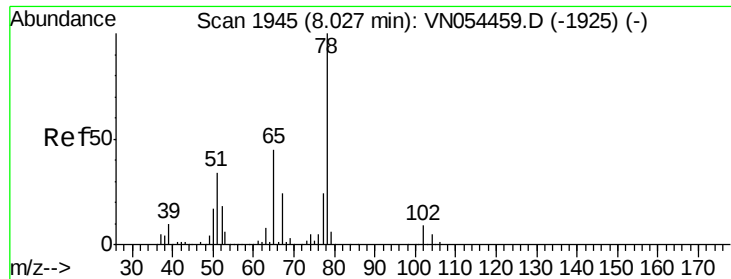
Tot Ion: 43 Resp: 1512
Ion Ratio Lower Upper
43 100
74 32.1 20.8 31.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054617.D
Acq: 23 Mar 2019 21:56

Tgt Ion: 56 Resp: 12376
Ion Ratio Lower Upper
56 100
69 166.3 27.8 41.6#
84 133.7 74.6 111.8#





#33

1,2-Dichloroethane-d4

Concen: 52.021 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054617.D

Acq: 23 Mar 2019 21:56

Instrument :

MSVOA_N

ClientSampleId :

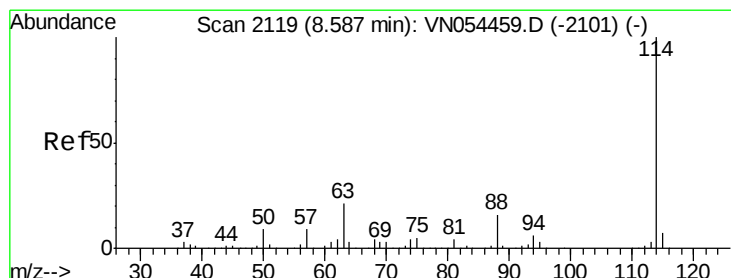
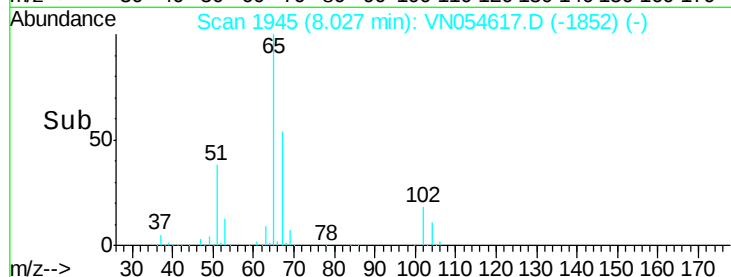
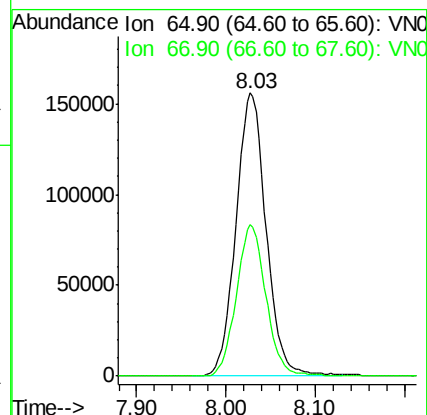
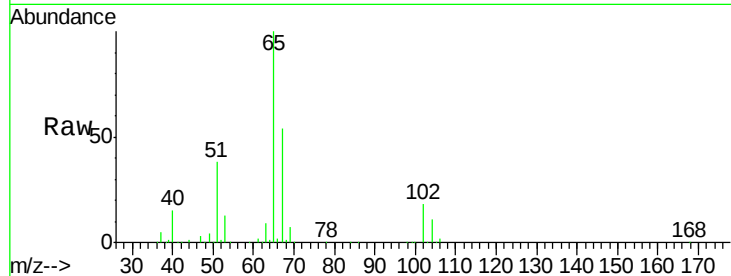
VN0323MBL01

Tot Ion: 65 Resp: 365634

Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054617.D

Acq: 23 Mar 2019 21:56

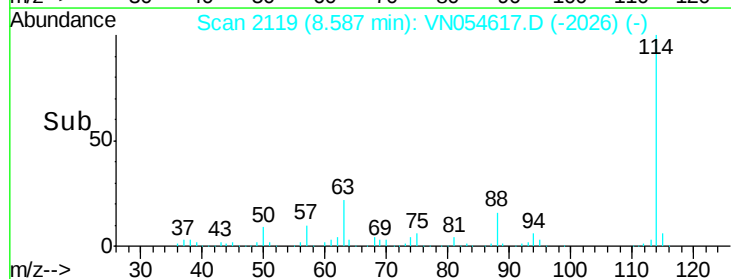
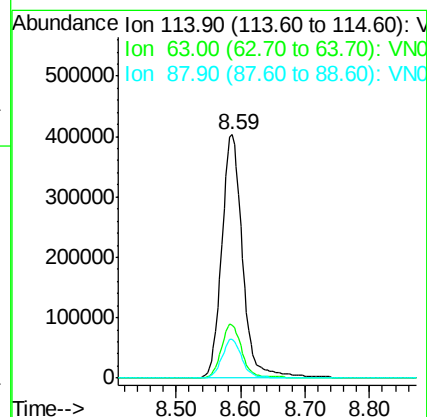
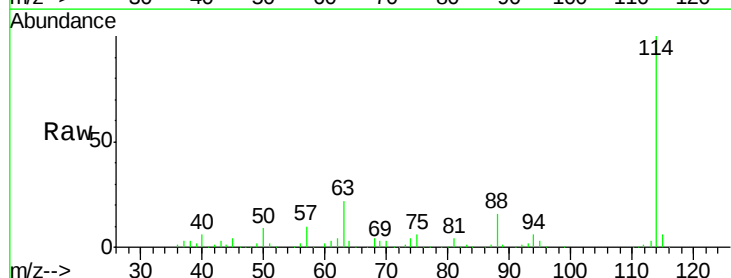
Tgt Ion: 114 Resp: 907375

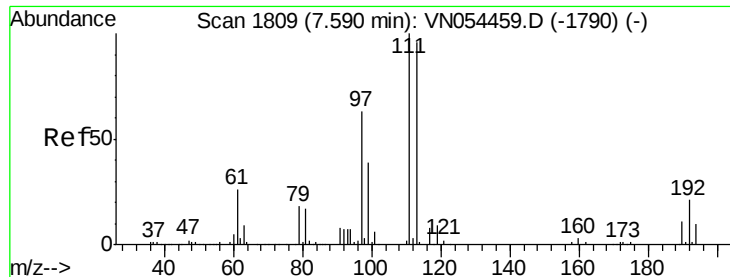
Ion Ratio Lower Upper

114 100

63 21.9 0.0 35.2

88 15.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 49.376 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054617.D

Acq: 23 Mar 2019 21:56

Instrument :

MSVOA_N

ClientSampleId :

VN0323MBL01

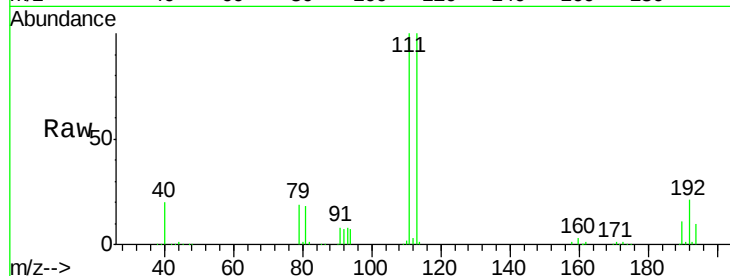
Tot Ion:113 Resp: 288642

Ion Ratio Lower Upper

113 100

111 101.4 82.2 123.4

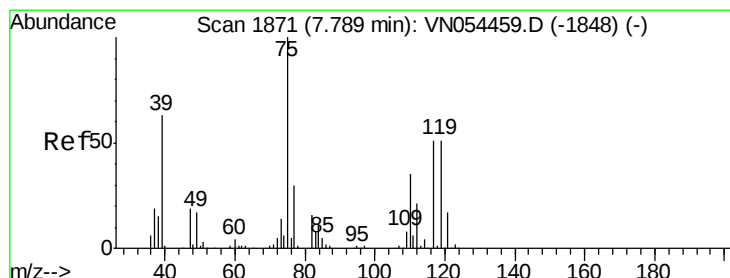
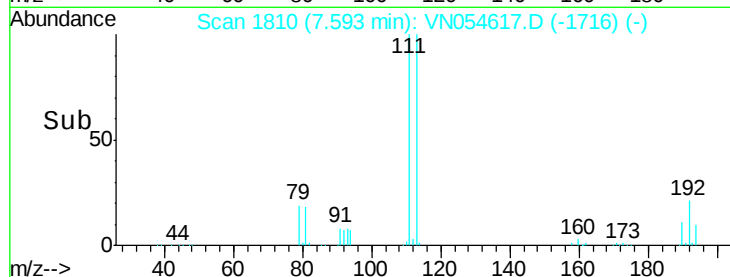
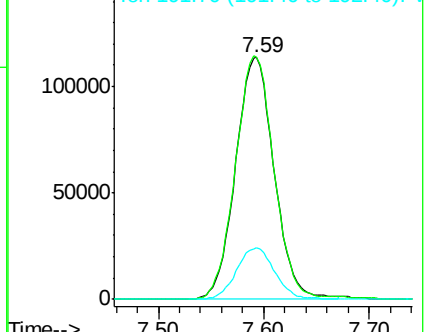
192 21.2 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.070 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054617.D

Acq: 23 Mar 2019 21:56

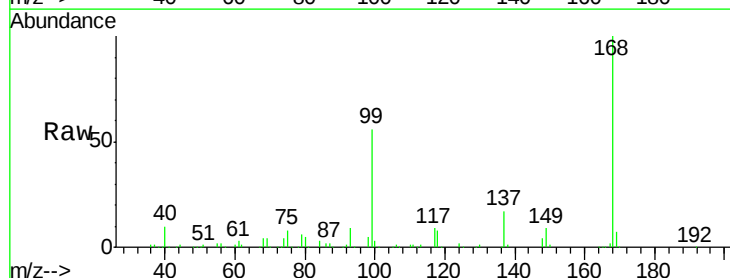
Tgt Ion: 75 Resp: 43016

Ion Ratio Lower Upper

75 100

110 9.3 19.1 57.5#

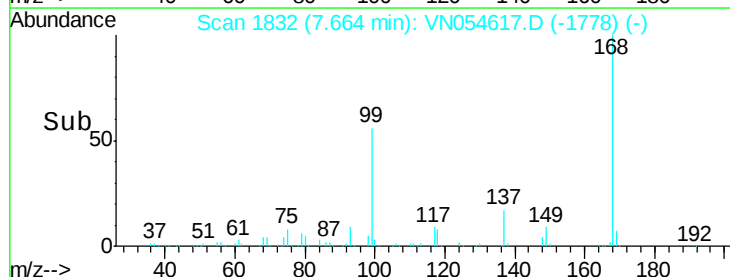
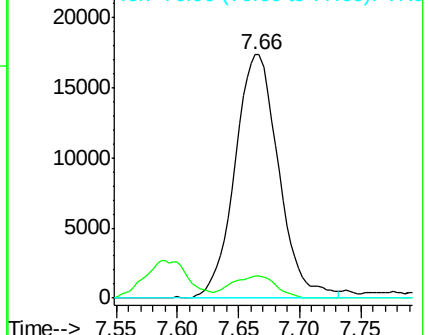
77 0.0 25.0 37.4#

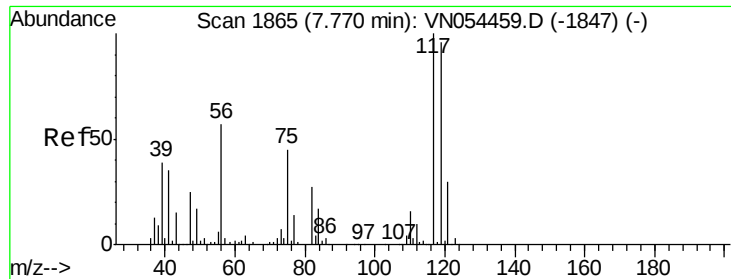


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO

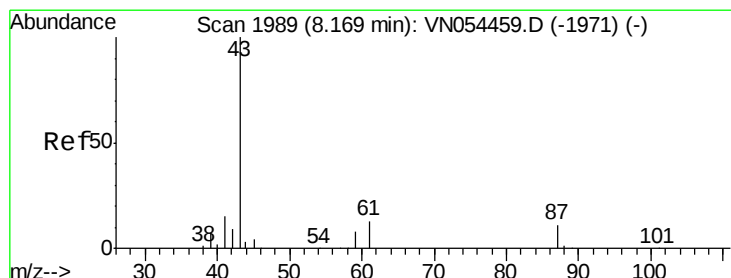
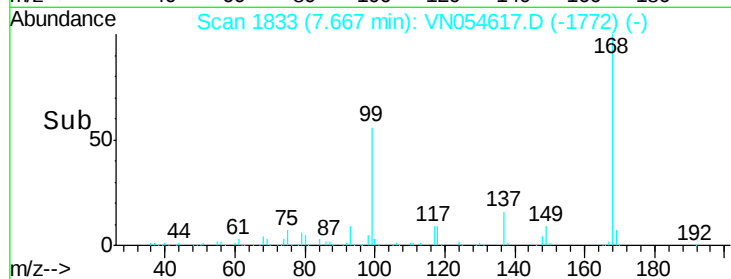
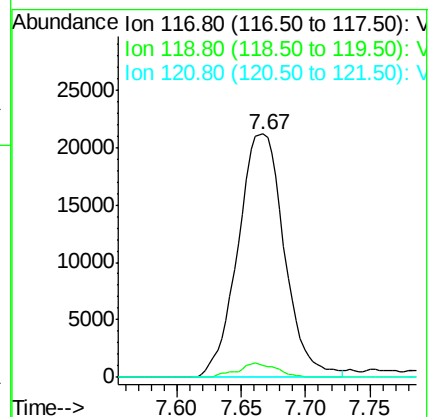
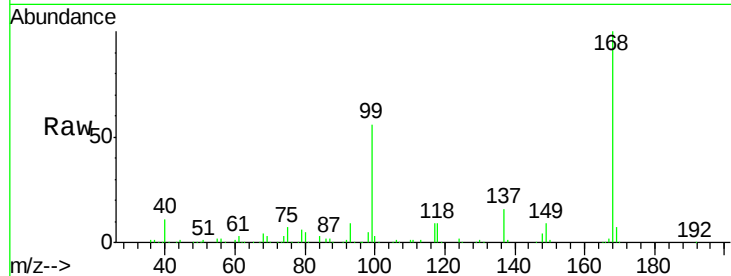




#38
Carbon Tetrachloride
Concen: 6.447 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.10 min
Lab File: VN054617.D
Acq: 23 Mar 2019 21:56

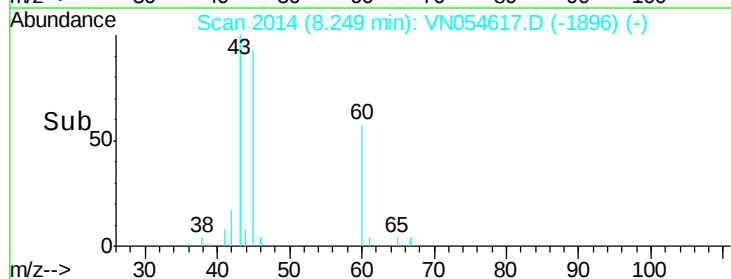
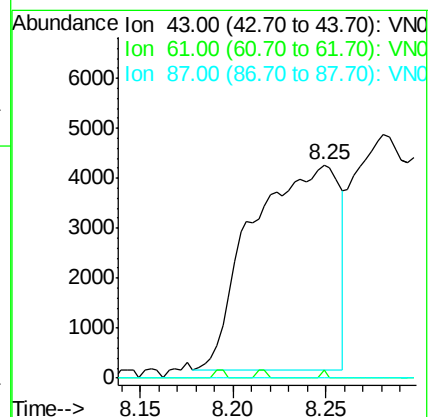
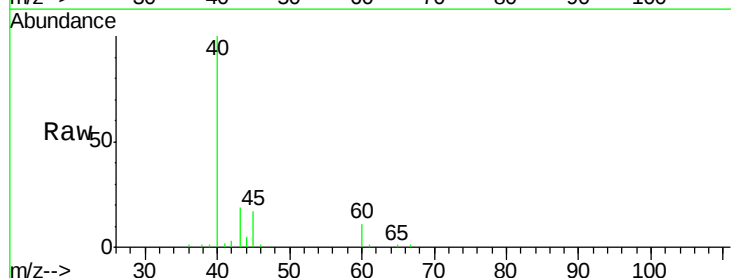
Instrument :
MSVOA_N
ClientSampled :
VN0323MBL01

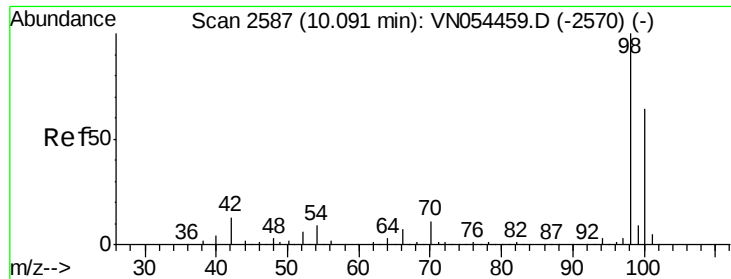
Tot Ion:117 Resp: 53150
Ion Ratio Lower Upper
117 100
119 4.7 76.3 114.5#
121 0.0 24.6 36.8#



#43
Isopropyl Acetate
Concen: 1.309 ug/l
RT: 8.25 min Scan# 2014
Delta R.T. 0.08 min
Lab File: VN054617.D
Acq: 23 Mar 2019 21:56

Tgt Ion: 43 Resp: 13336
Ion Ratio Lower Upper
43 100
61 0.0 15.8 23.8#
87 0.0 12.0 18.0#





#50

Toluene-d8

Concen: 49.478 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054617.D

Acq: 23 Mar 2019 21:56

Instrument :

MSVOA_N

ClientSampleId :

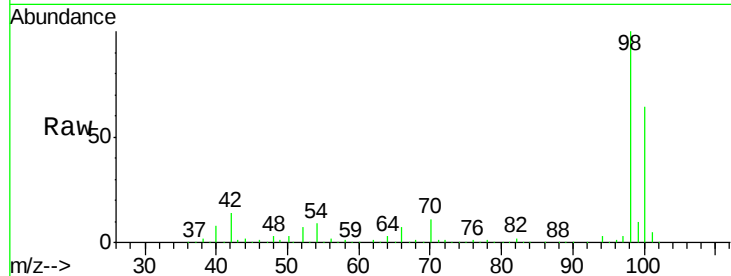
VN0323MBL01

Tot Ion: 98 Resp: 1087358

Ion Ratio Lower Upper

98 100

100 63.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054459.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054459.D (-2570) (-)

10.09

600000

500000

400000

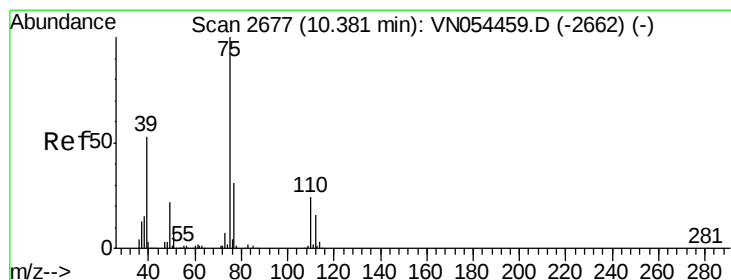
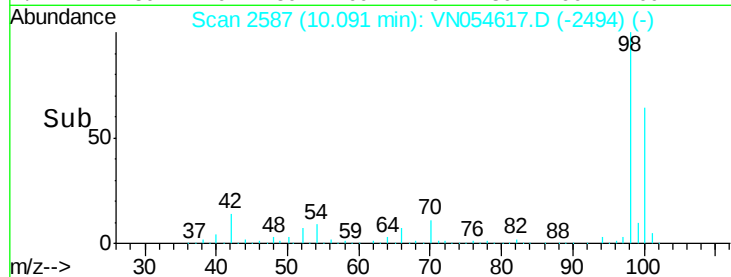
300000

200000

100000

0

Time-->



#53

t-1,3-Dichloropropene

Concen: 2.262 ug/l

RT: 10.09 min Scan# 2588

Delta R.T. -0.29 min

Lab File: VN054617.D

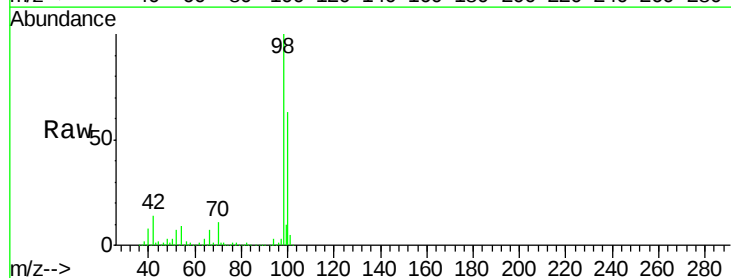
Acq: 23 Mar 2019 21:56

Tgt Ion: 75 Resp: 265

Ion Ratio Lower Upper

75 100

77 105.1 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN054459.D (-2662) (-)

Ion 76.90 (76.60 to 77.60): VN054459.D (-2662) (-)

500

400

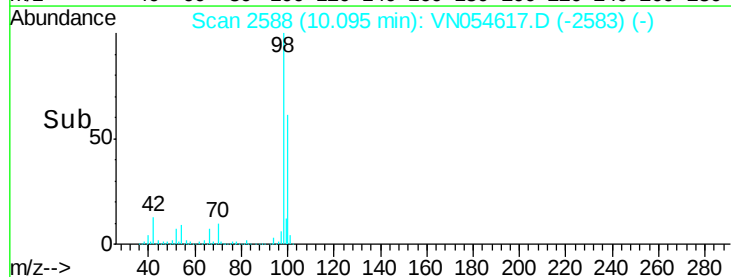
300

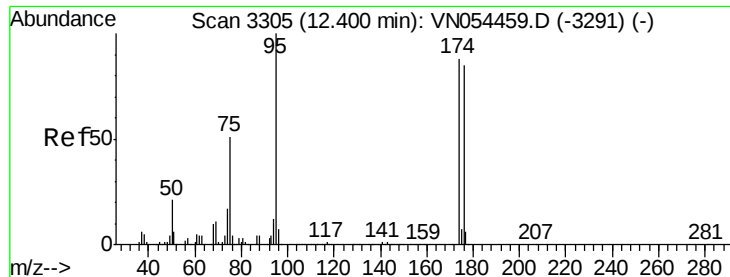
200

100

0

Time-->





#62

4-Bromofluorobenzene

Concen: 44.237 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054617.D

Acq: 23 Mar 2019 21:56

Instrument :

MSVOA_N

ClientSampled :

VN0323MBL01

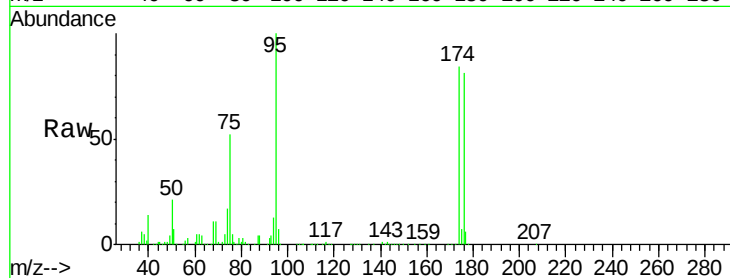
Tot Ion: 95 Resp: 330813

Ion Ratio Lower Upper

95 100

174 84.1 0.0 191.0

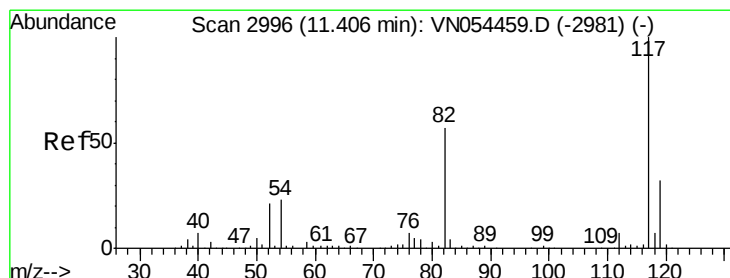
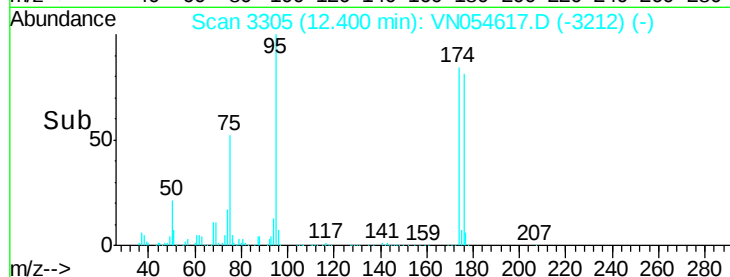
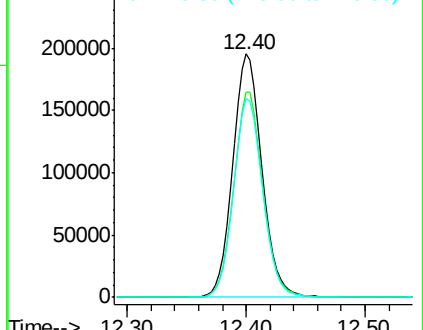
176 81.6 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054617.D

Acq: 23 Mar 2019 21:56

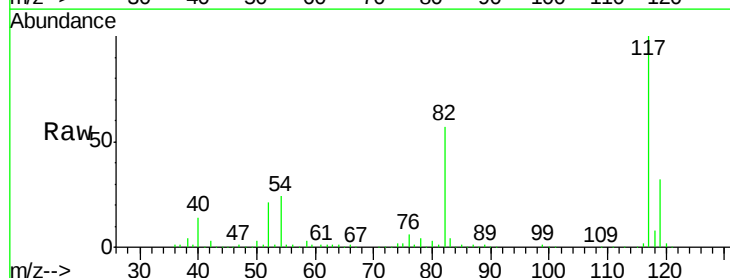
Tgt Ion: 117 Resp: 754384

Ion Ratio Lower Upper

117 100

82 57.4 40.0 60.0

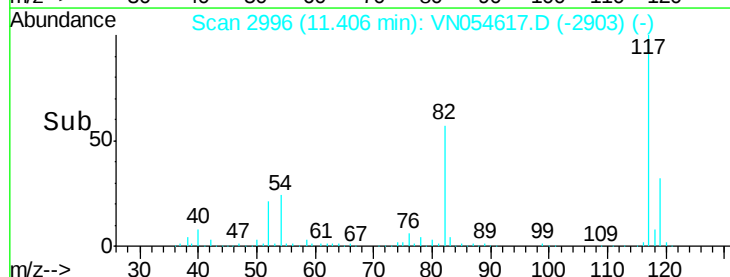
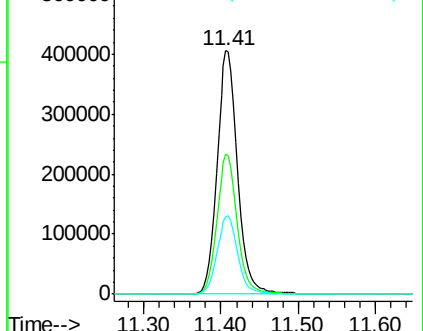
119 31.8 25.8 38.6

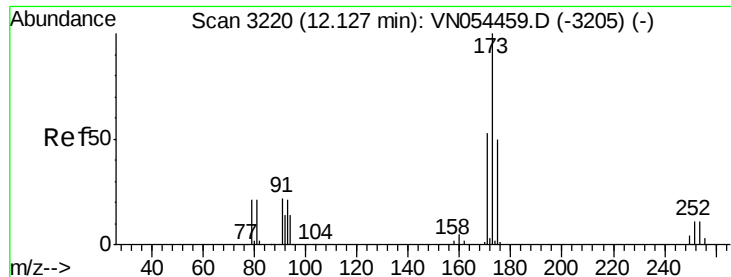


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 2.415 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN054617.D

Acq: 23 Mar 2019 21:56

Instrument :

MSVOA_N

ClientSampleId :

VN0323MBL01

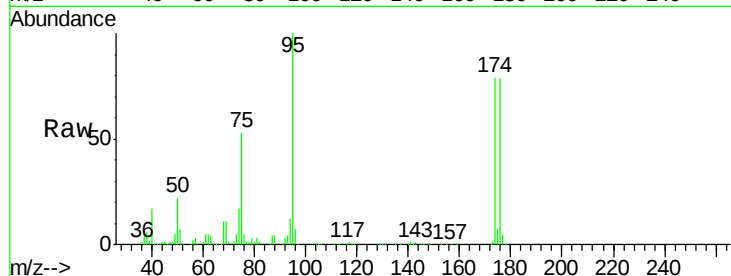
Tot Ion:173 Resp: 773

Ion Ratio Lower Upper

173 100

175 0.0 24.4 73.2#

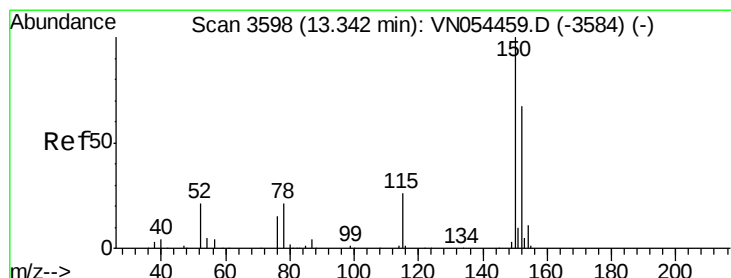
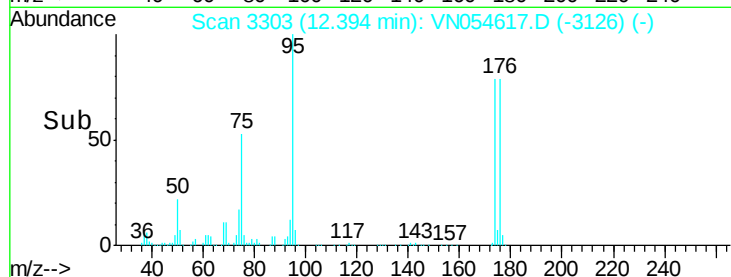
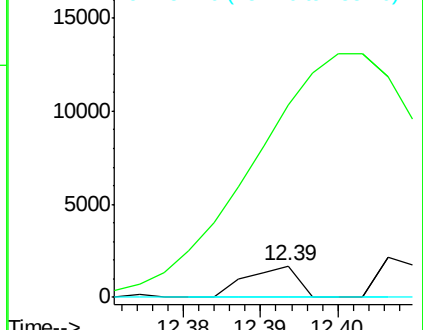
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054617.D

Acq: 23 Mar 2019 21:56

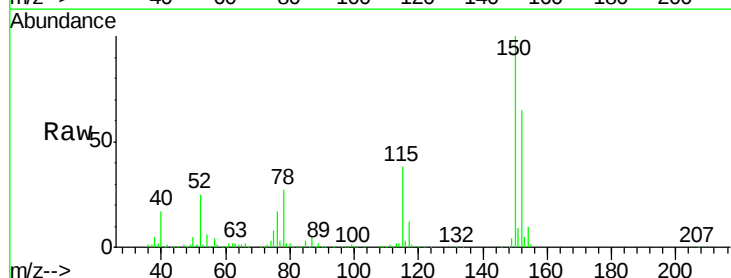
Tgt Ion:152 Resp: 264806

Ion Ratio Lower Upper

152 100

115 58.1 27.2 81.6

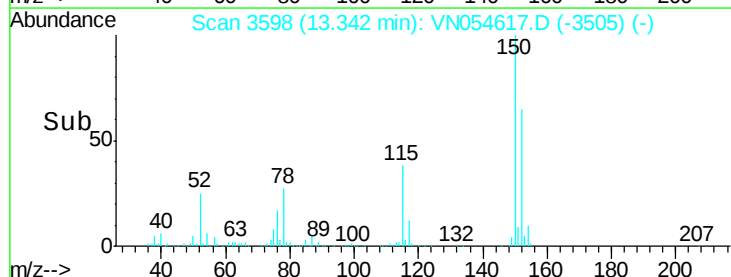
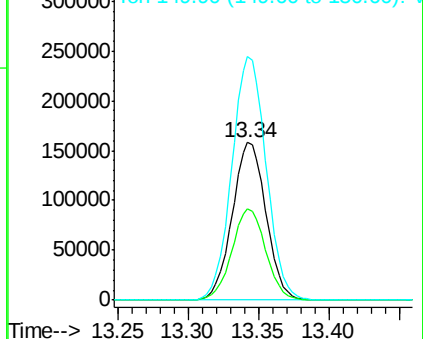
150 157.1 0.0 349.2

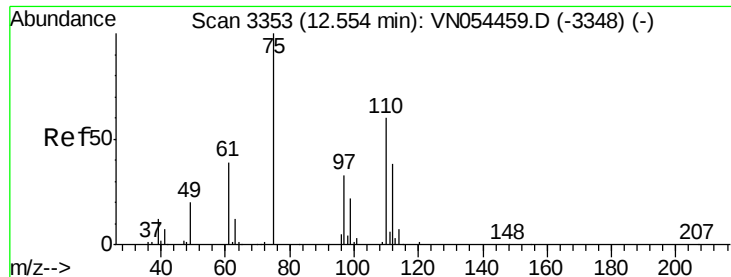


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 40.449 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054617.D

Acq: 23 Mar 2019 21:56

Instrument :

MSVOA_N

ClientSampleId :

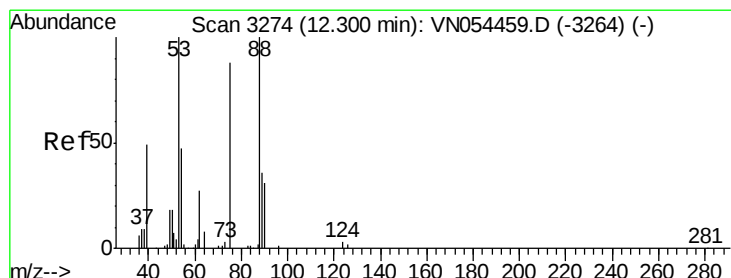
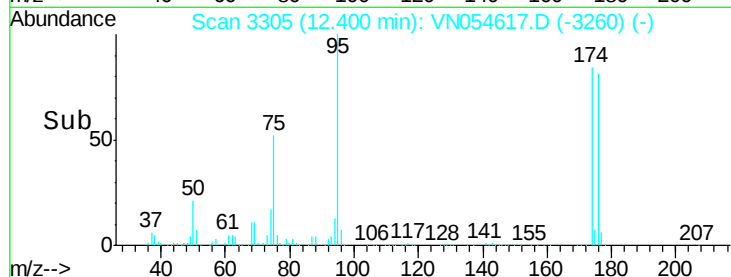
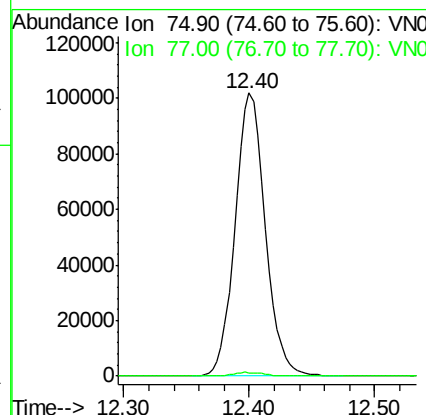
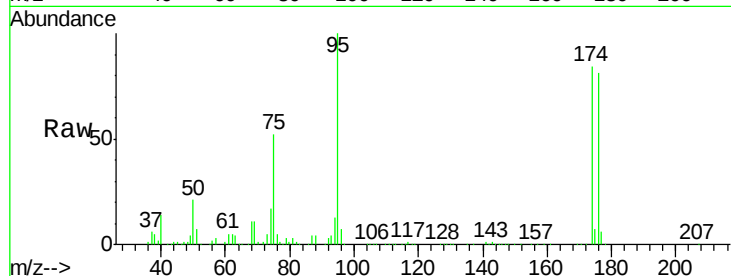
VN0323MBL01

Tot Ion: 75 Resp: 169971

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 133.770 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054617.D

Acq: 23 Mar 2019 21:56

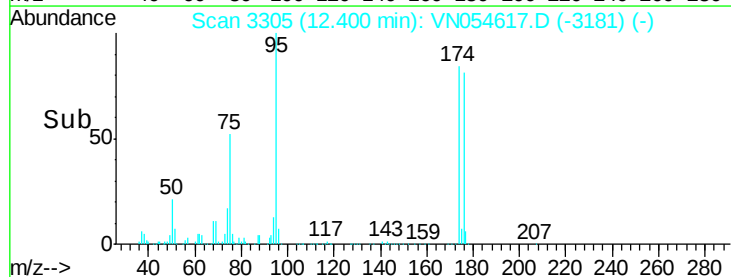
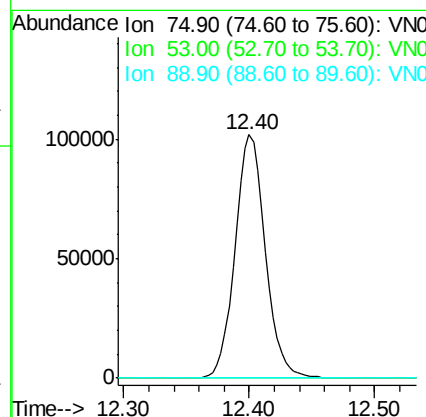
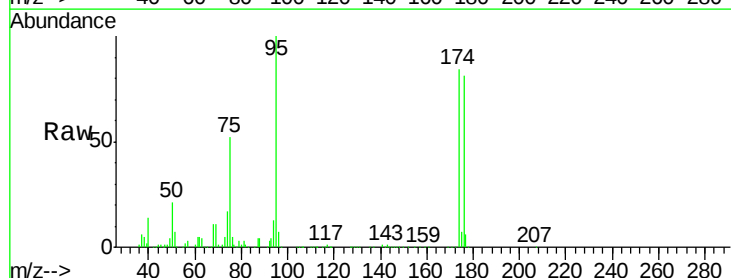
Tgt Ion: 75 Resp: 169971

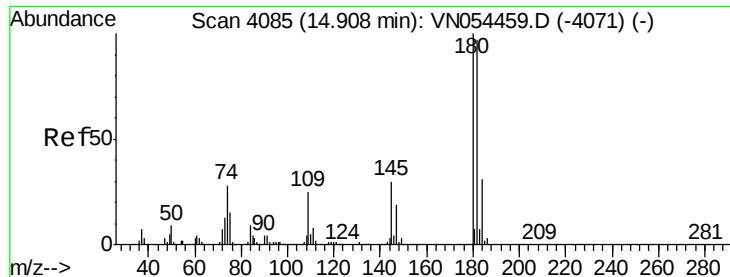
Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#

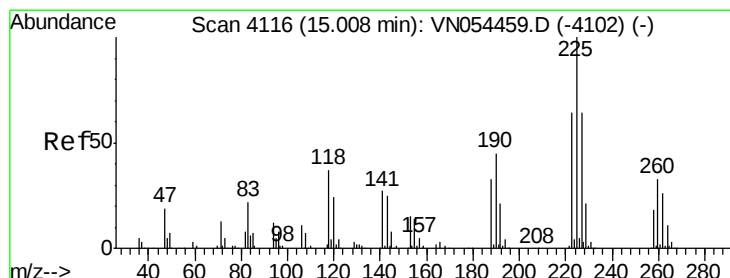
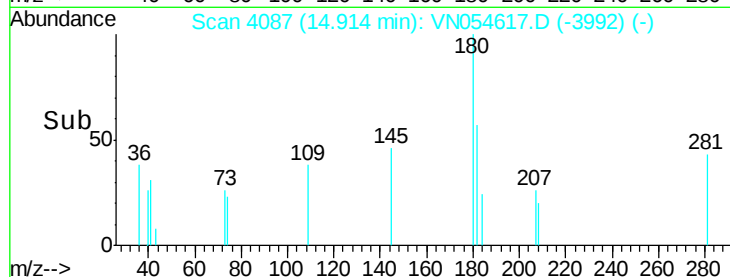
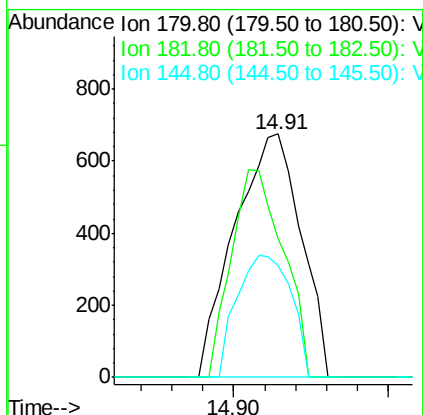
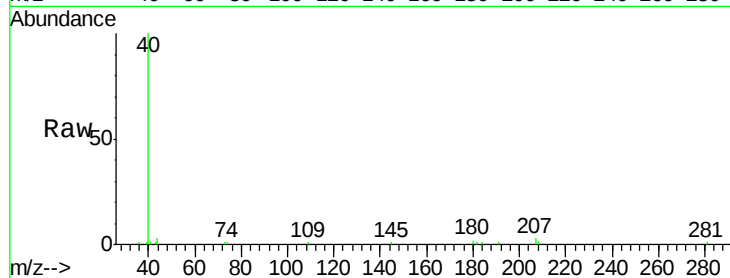




#93
 1,2,4-Trichlorobenzene
 Concen: 0.237 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN054617.D
 Acq: 23 Mar 2019 21:56

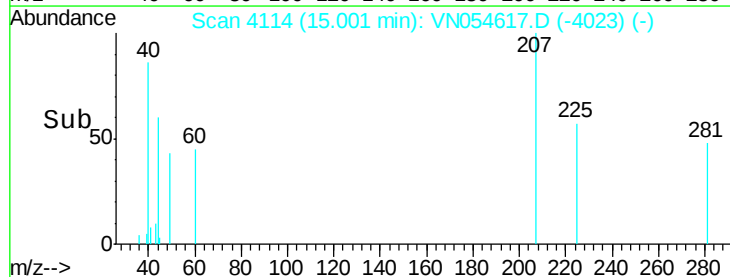
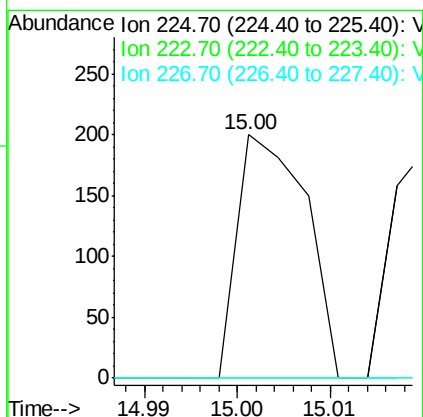
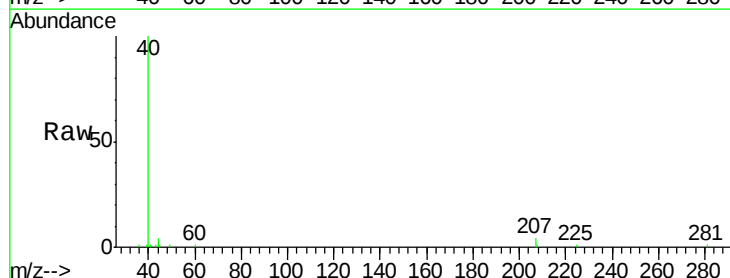
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0323MBL01

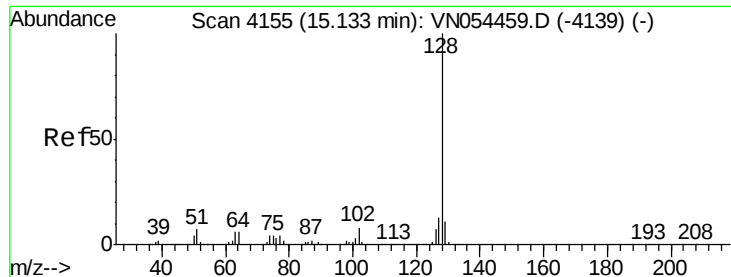
Tot Ion	Ratio	Lower	Upper
180	100		
182	66.8	48.0	144.2
145	40.6	14.2	42.8



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.00 min Scan# 4114
 Delta R.T. -0.01 min
 Lab File: VN054617.D
 Acq: 23 Mar 2019 21:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	31.1	93.5#
227	0.0	31.9	95.9#





#95

Naphthalene

Concen: 0.308 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN054617.D

Acq: 23 Mar 2019 21:56

Instrument :

MSVOA_N

ClientSampleId :

VN0323MBL01

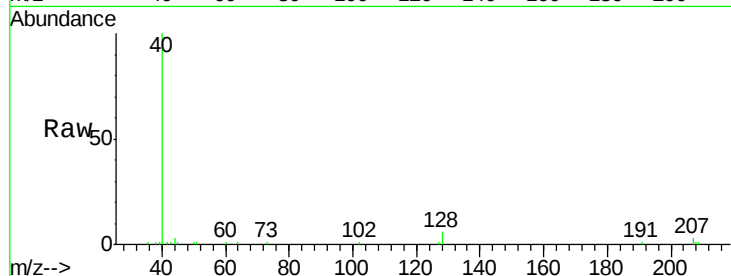
Tot Ion:128 Resp: 2909

Ion Ratio Lower Upper

128 100

127 14.1 10.1 15.1

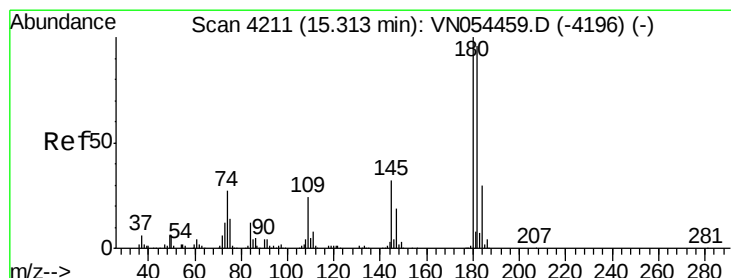
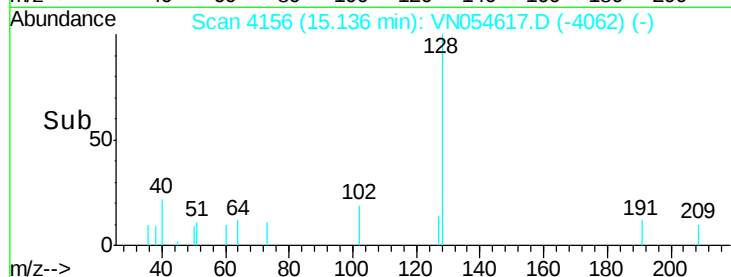
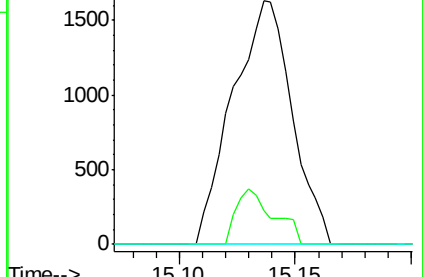
129 0.0 8.7 13.1#



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



#96

1,2,3-Trichlorobenzene

Concen: 0.245 ug/l

RT: 15.32 min Scan# 4213

Delta R.T. 0.01 min

Lab File: VN054617.D

Acq: 23 Mar 2019 21:56

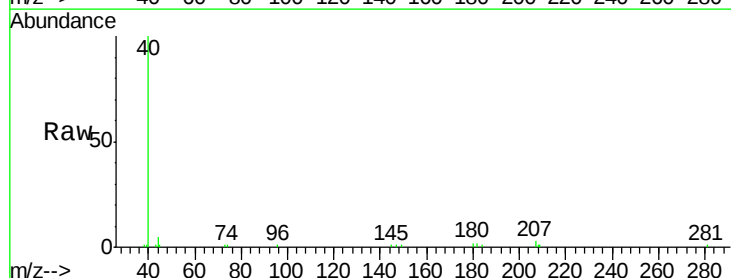
Tgt Ion:180 Resp: 1033

Ion Ratio Lower Upper

180 100

182 80.4 47.5 142.6

145 31.1 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

