

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081418\
 Data File : VN050626.D
 Acq On : 15 Aug 2018 1:53
 Operator : MD\SY
 Sample : J4465-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 945-MW-06(17)

Quant Time: Aug 15 07:27:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	605897	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	956869	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	811807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	290442	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	409828	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	
35) Dibromofluoromethane	7.59	113	386975	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
50) Toluene-d8	10.09	98	1336929	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	
62) 4-Bromofluorobenzene	12.40	95	353992	37.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.54%	

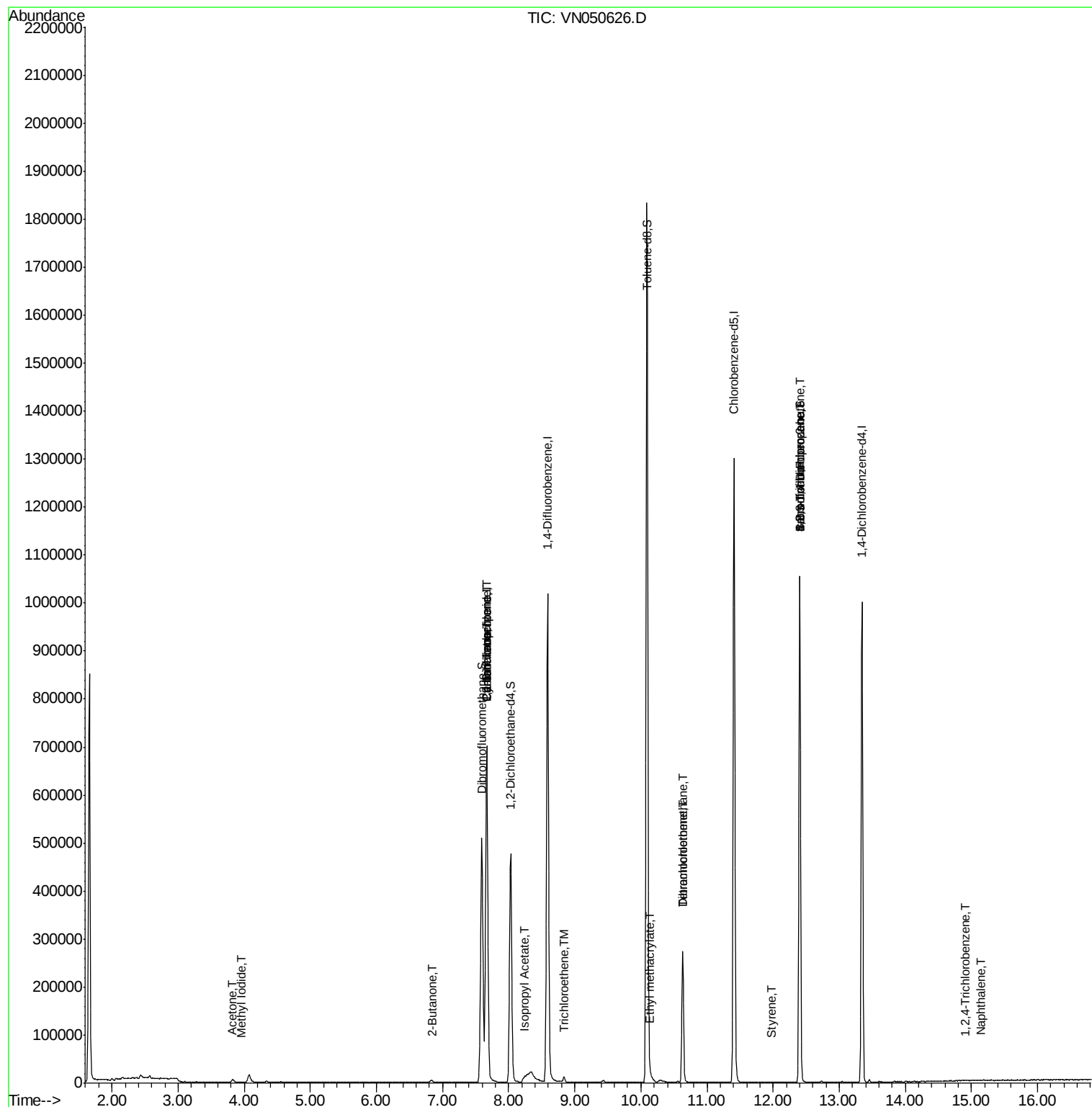
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2927	Below Cal		94
5) Bromomethane	2.57	94	3474	Below Cal		85
6) Chloroethane	2.70	64	336	Below Cal	#	43
10) Methyl Iodide	3.95	142	1054	7.126	ug/l #	50
16) Acetone	3.82	43	9802	3.712	ug/l	100
18) Methyl Acetate	4.34	43	4091	Below Cal	#	81
20) Methylene Chloride	4.55	84	1349	Below Cal		90
25) 2-Butanone	6.86	43	1344	0.429	ug/l #	48
31) Cyclohexane	7.67	56	11353	0.639	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	41606	3.906	ug/l #	50
38) Carbon Tetrachloride	7.67	117	54633	4.944	ug/l #	16
43) Isopropyl Acetate	8.25	43	9008	0.821	ug/l #	60
44) Trichloroethene	8.84	130	4149	0.478	ug/l	88
56) Ethyl methacrylate	10.15	69	30	1.908	ug/l #	28
60) Dibromochloromethane	10.63	129	60478	7.581	ug/l #	10
64) Tetrachloroethene	10.63	164	70519	9.354	ug/l	98
70) Styrene	11.96	104	34	0.942	ug/l #	26
71) Bromoform	12.40	173	1319	0.263	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.40	83	31	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	167884	35.478	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	167884	128.508	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	72	2.687	ug/l #	12
95) Naphthalene	15.13	128	160	3.874	ug/l #	69

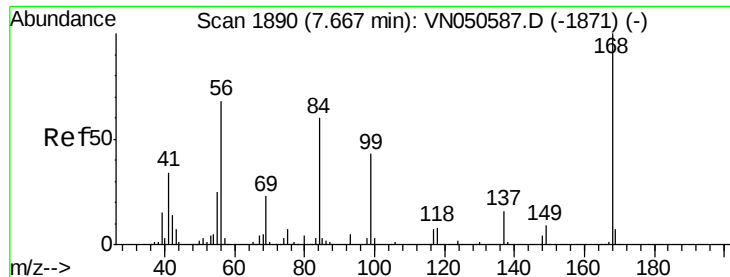
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050626.D

Acq: 15 Aug 2018 1:53

Instrument :

MSVOA_N

ClientSampleId :

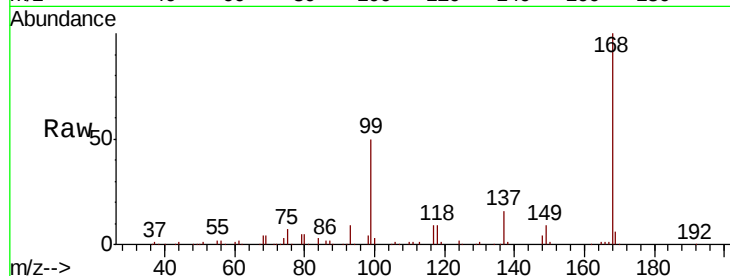
945-MW-06(17)

Tgt Ion:168 Resp: 605897

Ion Ratio Lower Upper

168 100

99 50.4 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): VN050587.D (-1871) (-)

Ion 98.90 (98.60 to 99.60): VN050587.D (-1871) (-)

7.67

250000

200000

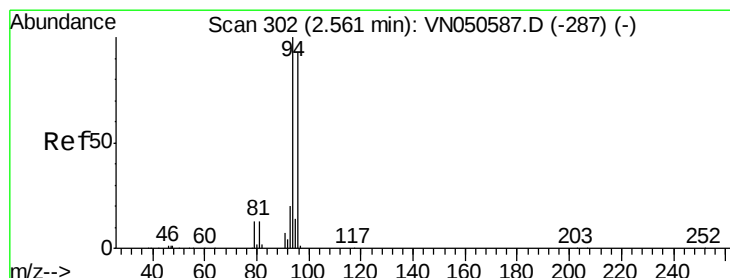
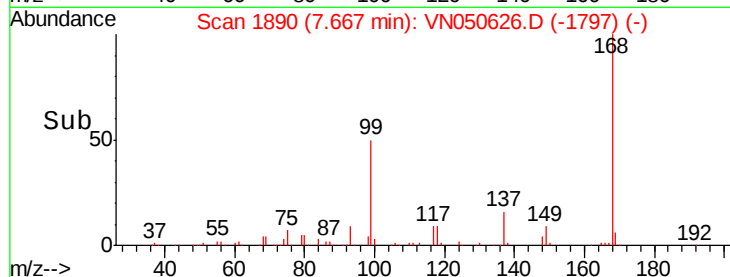
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050626.D

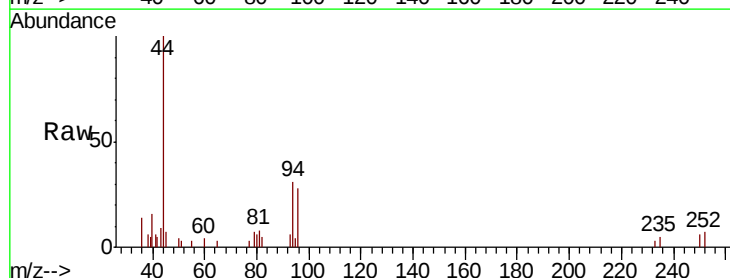
Acq: 15 Aug 2018 1:53

Tgt Ion: 94 Resp: 3474

Ion Ratio Lower Upper

94 100

96 78.4 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VN050587.D (-287) (-)

Ion 95.90 (95.60 to 96.60): VN050587.D (-287) (-)

2.57

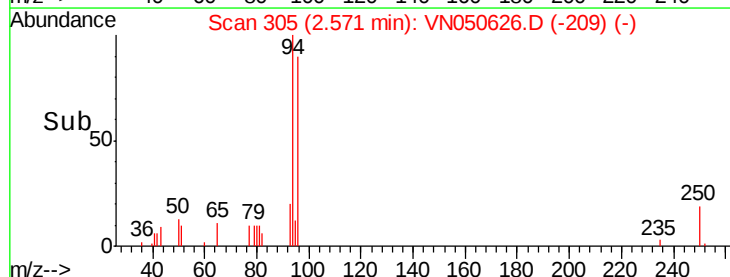
1500

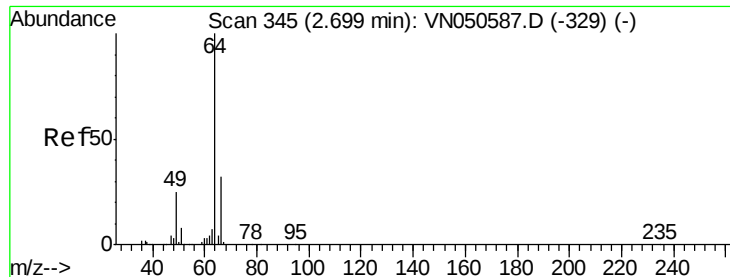
1000

500

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050626.D

Acq: 15 Aug 2018 1:53

Instrument :

MSVOA_N

ClientSampleId :

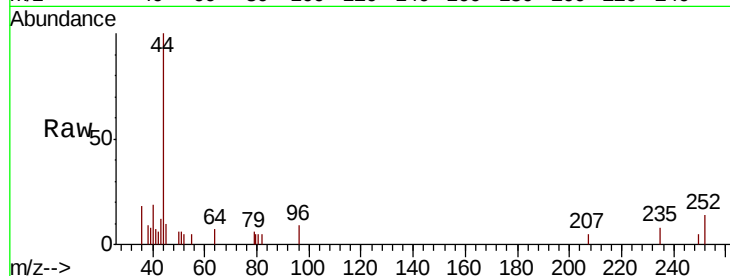
945-MW-06(17)

Tgt Ion: 64 Resp: 336

Ion Ratio Lower Upper

64 100

66 0.0 25.7 38.5#



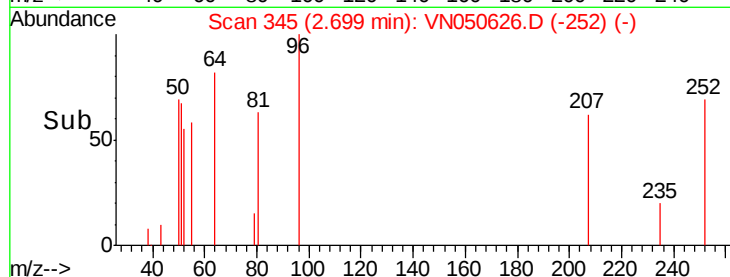
Abundance Ion 63.90 (63.60 to 64.60): VN050587.D (-329) (-)

Ion 65.90 (65.60 to 66.60): VN050587.D (-329) (-)

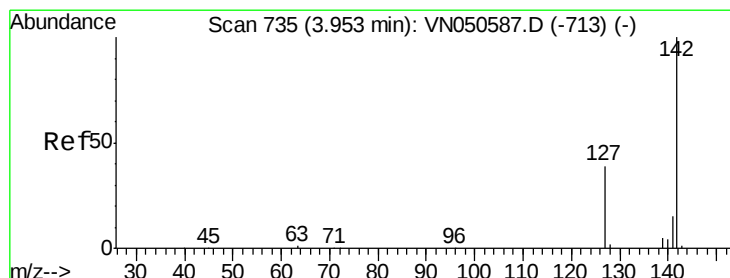
2.70

2.70

2.72



Time-->



#10

Methyl Iodide

Concen: 7.126 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN050626.D

Acq: 15 Aug 2018 1:53

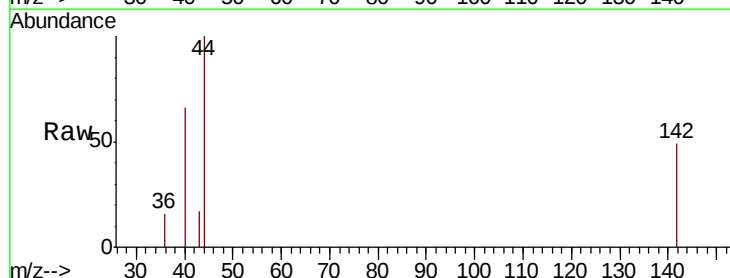
Tgt Ion: 142 Resp: 1054

Ion Ratio Lower Upper

142 100

127 6.1 32.6 49.0#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): VN050587.D (-713) (-)

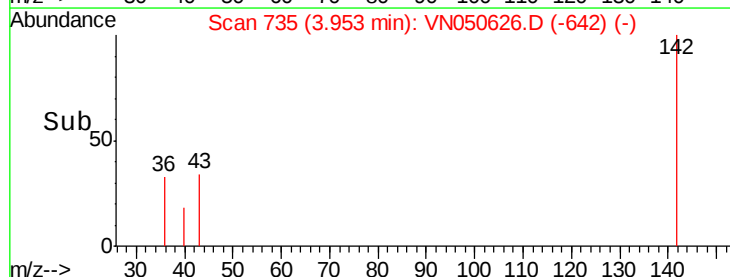
Ion 126.80 (126.50 to 127.50): VN050587.D (-713) (-)

Ion 140.80 (140.50 to 141.50): VN050587.D (-713) (-)

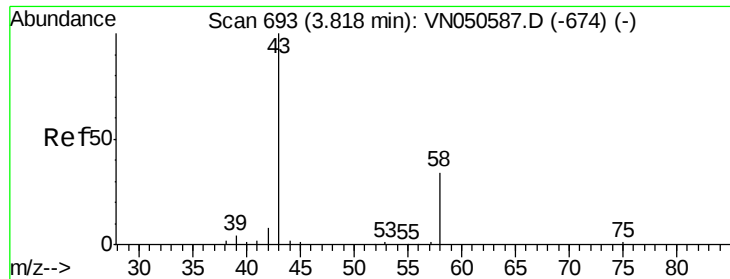
3.95

3.95

4.00



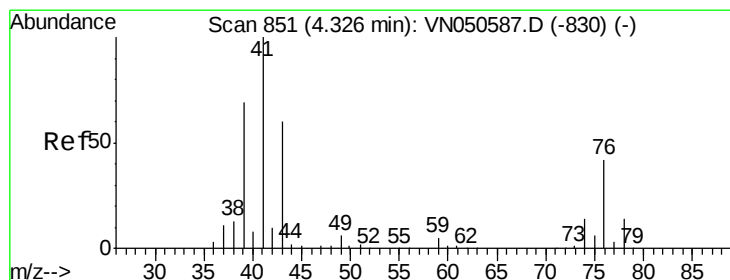
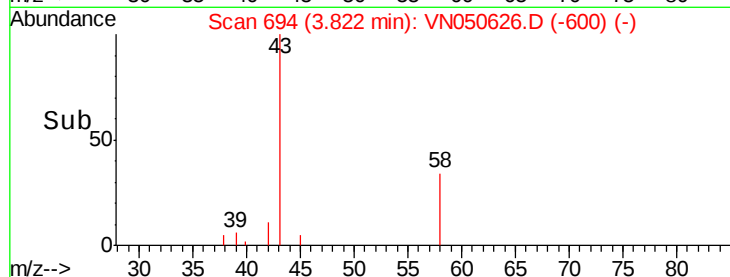
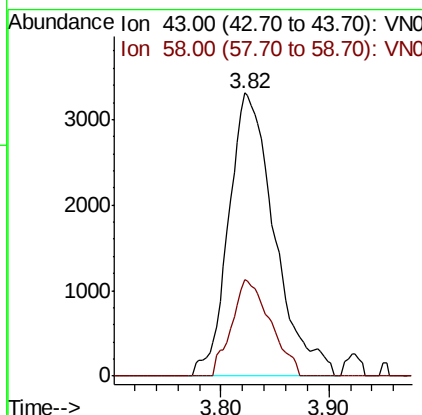
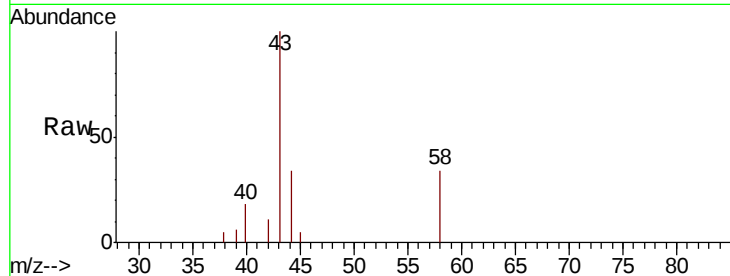
Time-->



#16
Acetone
Concen: 3.712 ug/l
RT: 3.82 min Scan# 694
Delta R.T. 0.00 min
Lab File: VN050626.D
Acq: 15 Aug 2018 1:53

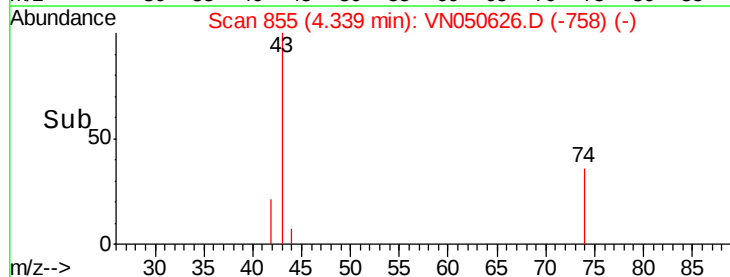
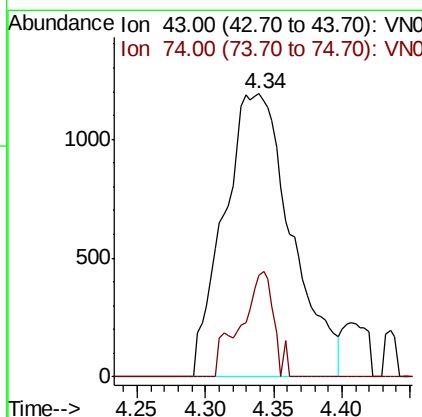
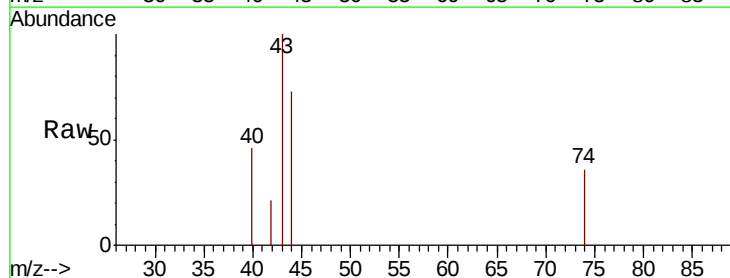
Instrument :
MSVOA_N
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945-MW-06(17)

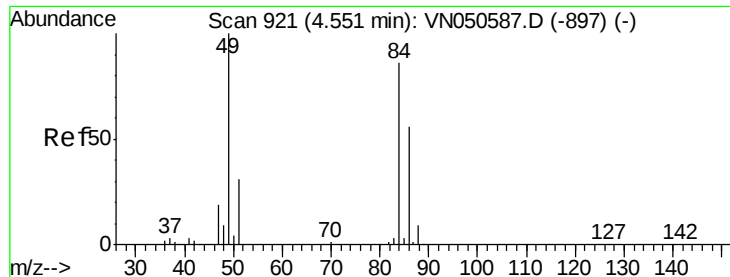
Tgt Ion: 43 Resp: 9802
Ion Ratio Lower Upper
43 100
58 34.0 27.1 40.7



#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 855
Delta R.T. 0.01 min
Lab File: VN050626.D
Acq: 15 Aug 2018 1:53

Tgt Ion: 43 Resp: 4091
Ion Ratio Lower Upper
43 100
74 15.2 19.7 29.5#

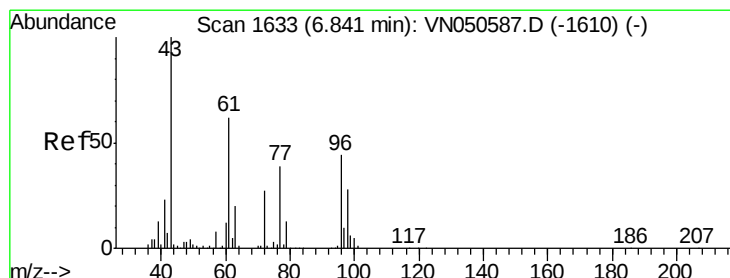
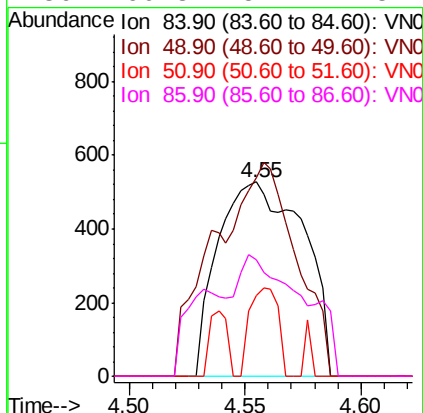
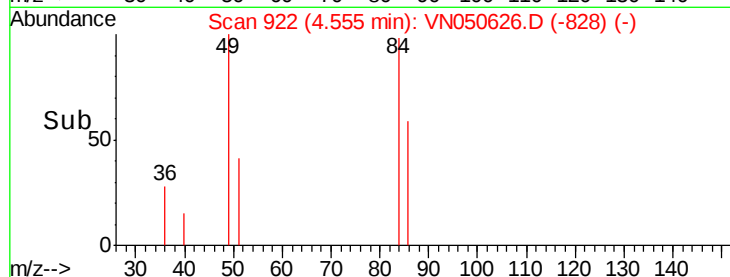
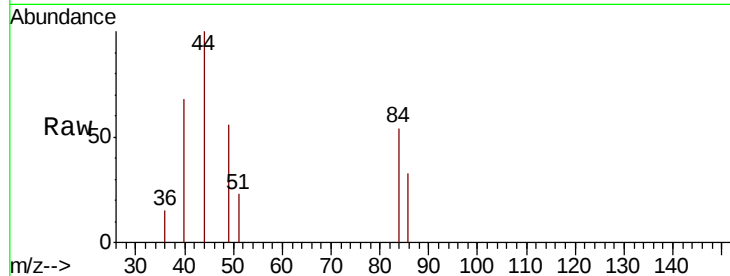




#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050626.D
Acq: 15 Aug 2018 1:53

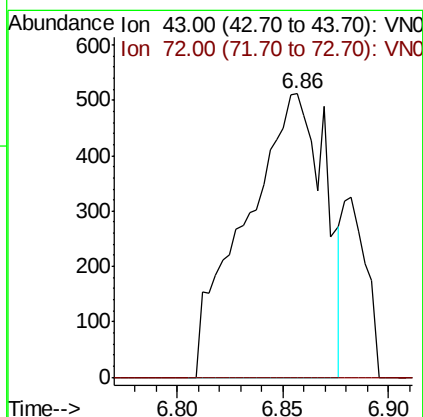
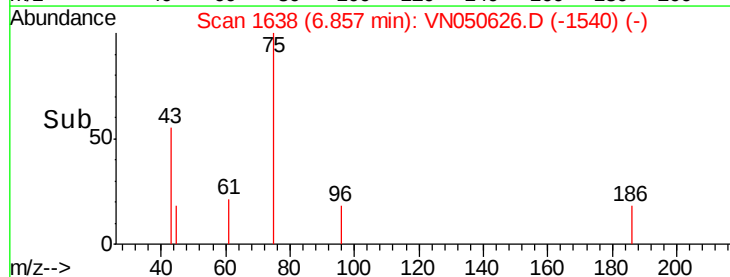
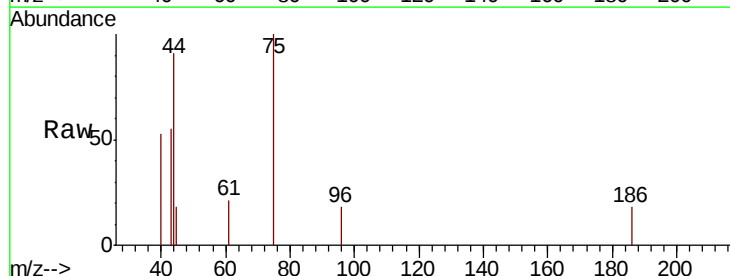
Instrument :
MSVOA_N
ClientSampleId :
945-MW-06(17)

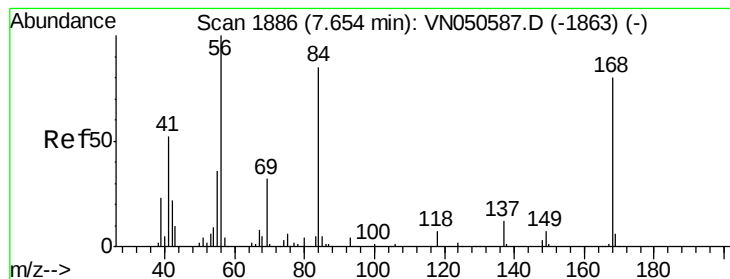
Tgt Ion:	84	Resp:	1349
Ion	Ratio	Lower	Upper
84	100		
49	102.1	92.6	138.8
51	41.9	28.6	43.0
86	60.3	52.2	78.2



#25
2-Butanone
Concen: 0.429 ug/l
RT: 6.86 min Scan# 1638
Delta R.T. 0.02 min
Lab File: VN050626.D
Acq: 15 Aug 2018 1:53

Tgt Ion:	43	Resp:	1344
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.8	32.6#





#31

Cyclohexane

Concen: 0.639 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050626.D

Acq: 15 Aug 2018 1:53

Instrument :

MSVOA_N

ClientSampleId :

945-MW-06(17)

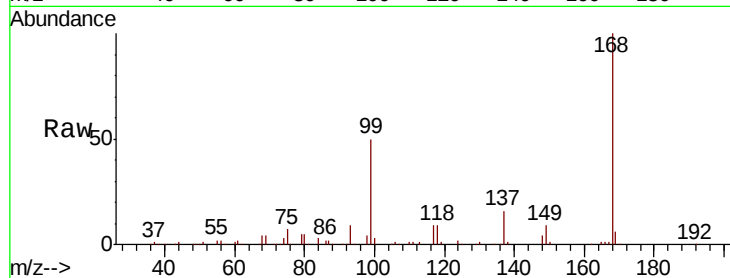
Tgt Ion: 56 Resp: 11353

Ion Ratio Lower Upper

56 100

69 194.2 25.8 38.6#

84 142.4 67.8 101.6#

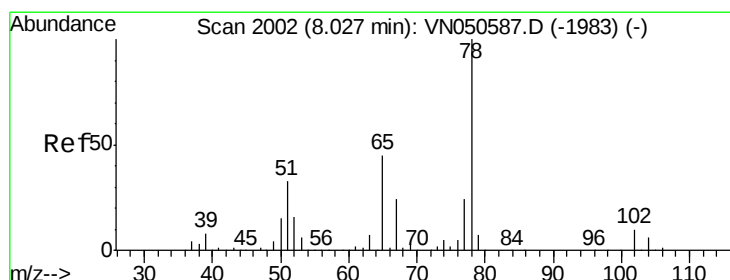
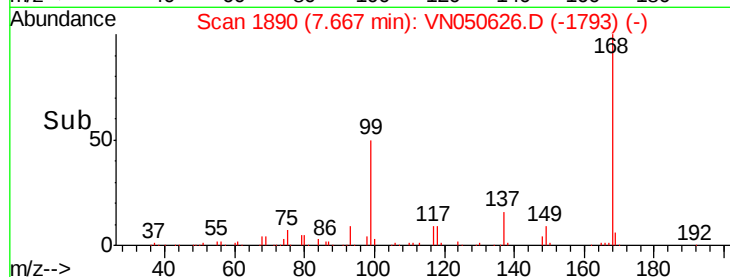
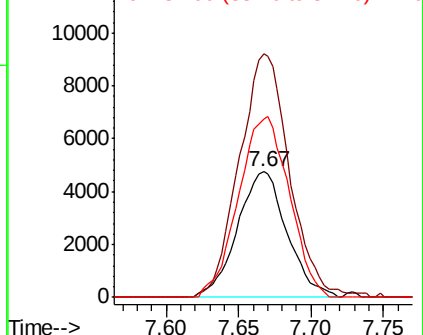


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 53.661 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050626.D

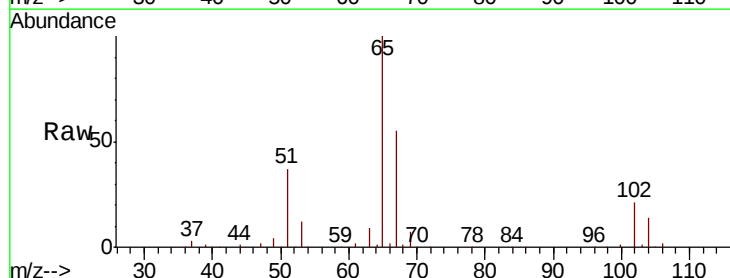
Acq: 15 Aug 2018 1:53

Tgt Ion: 65 Resp: 409828

Ion Ratio Lower Upper

65 100

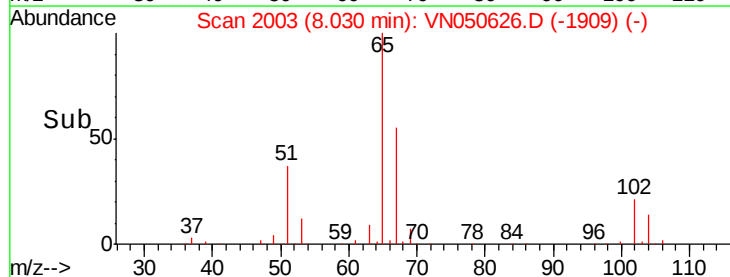
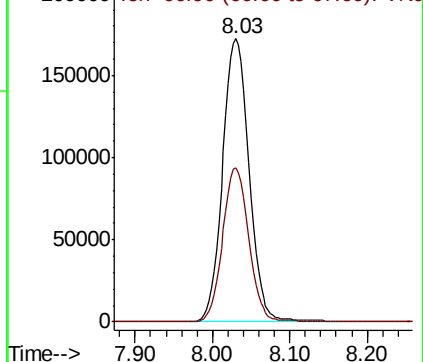
67 53.9 0.0 109.8

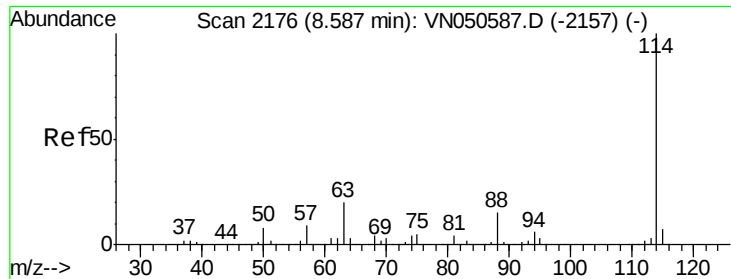


Abundance

Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

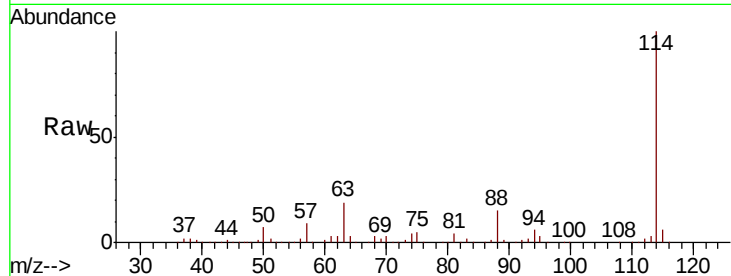




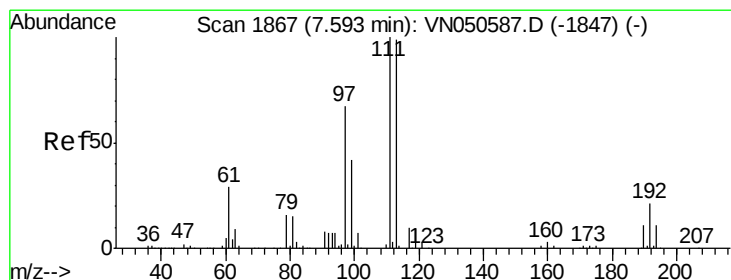
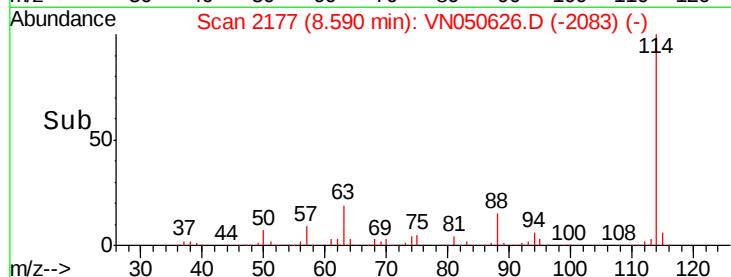
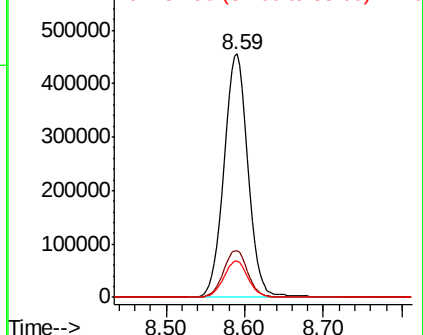
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050626.D
 Acq: 15 Aug 2018 1:53

Instrument :
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 945-MW-06(17)

Tgt Ion:114 Resp: 956869
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.0
 88 14.8 0.0 30.8

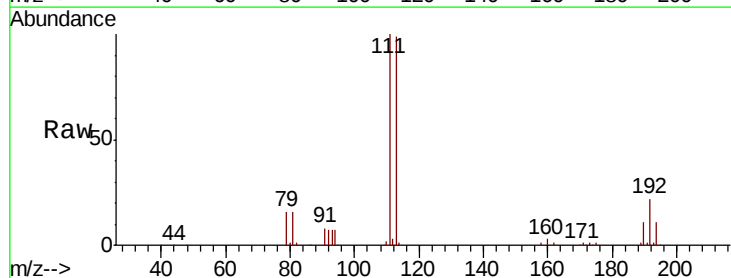


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

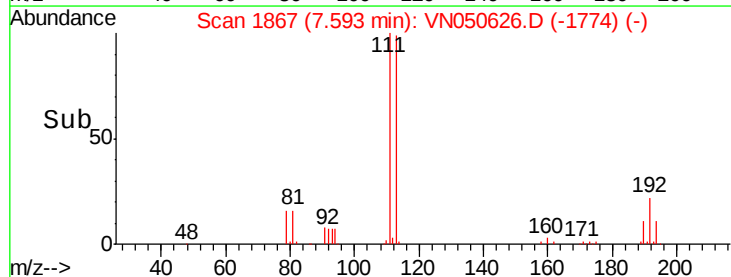
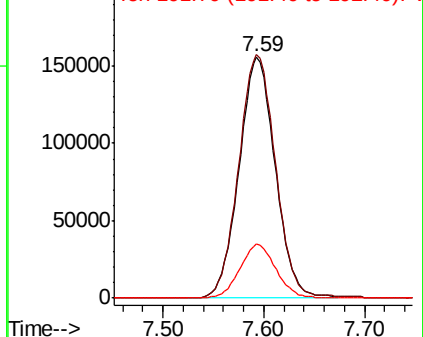


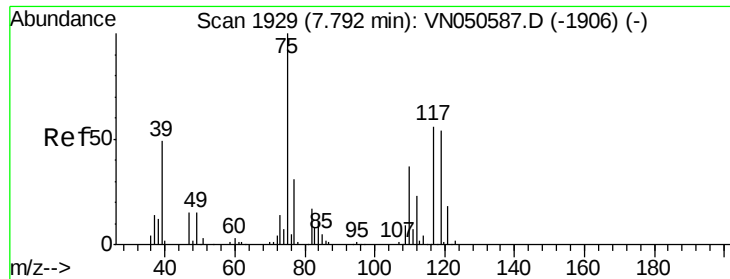
#35
 Dibromofluoromethane
 Concen: 50.656 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050626.D
 Acq: 15 Aug 2018 1:53

Tgt Ion:113 Resp: 386975
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.0 121.6
 192 22.3 17.6 26.4



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

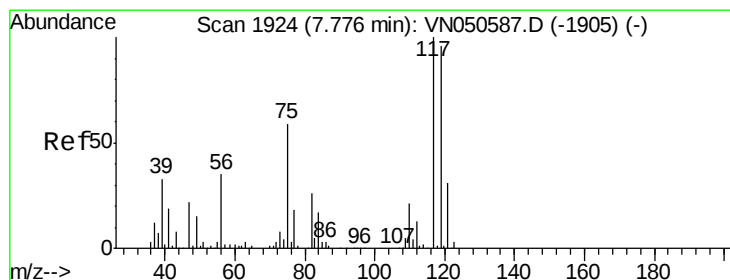
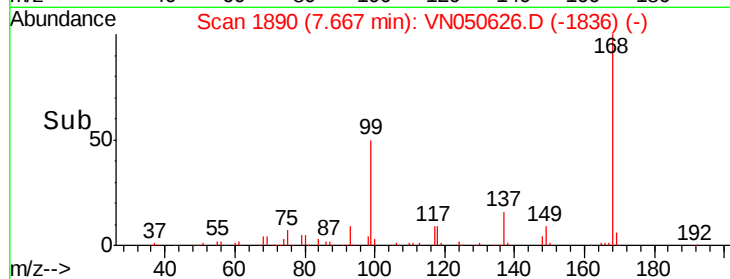
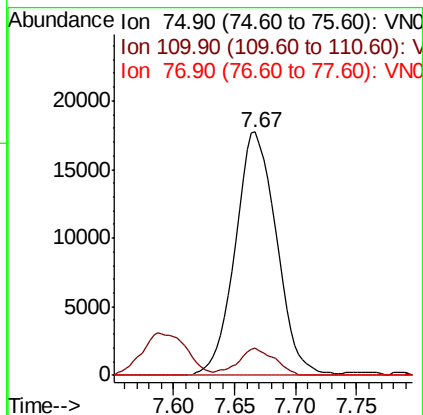
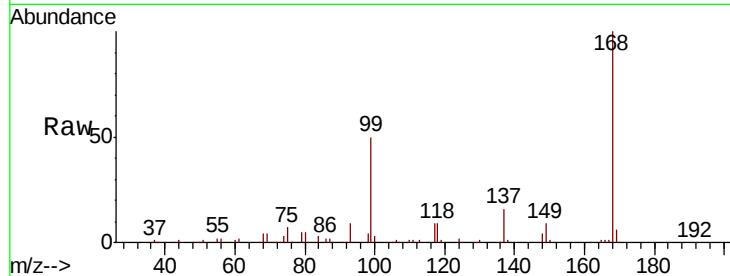




#36
 1,1-Dichloropropene
 Concen: 3.906 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050626.D
 Acq: 15 Aug 2018 1:53

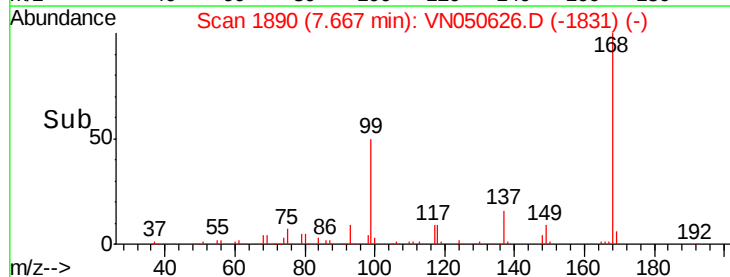
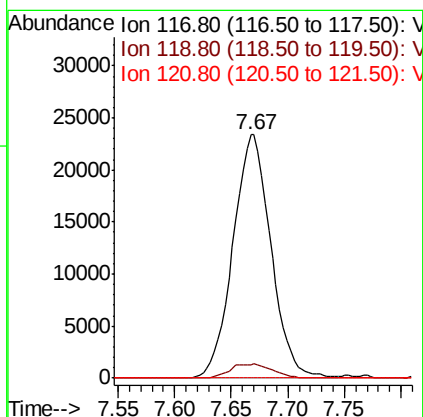
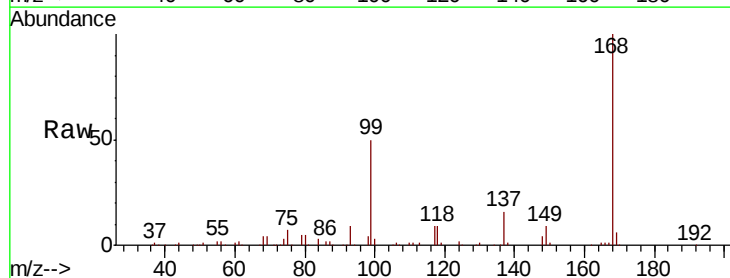
Instrument :
 MSVOA_N
 ClientSampleId :
 945-MW-06(17)

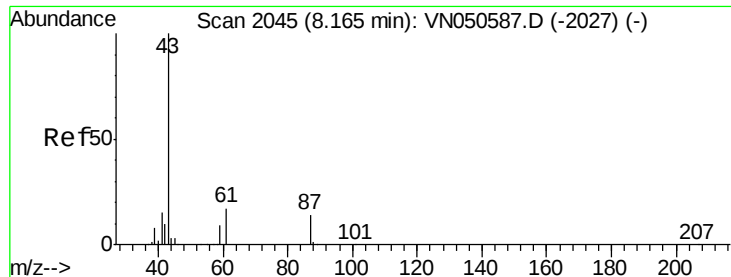
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.9	18.3	54.9#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 4.944 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050626.D
 Acq: 15 Aug 2018 1:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	76.6	115.0#
121	0.0	25.0	37.6#





#43

Isopropyl Acetate

Concen: 0.821 ug/l

RT: 8.25 min Scan# 2070

Delta R.T. 0.08 min

Lab File: VN050626.D

Acq: 15 Aug 2018 1:53

Instrument :

MSVOA_N

ClientSampleId :

945-MW-06(17)

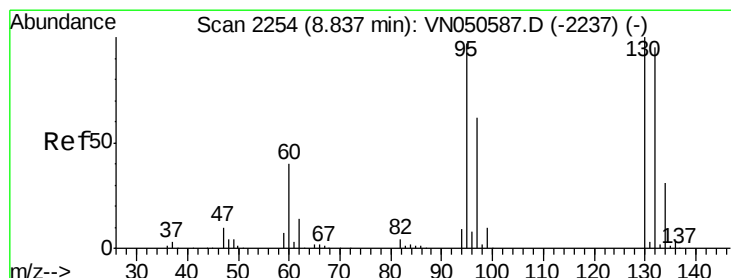
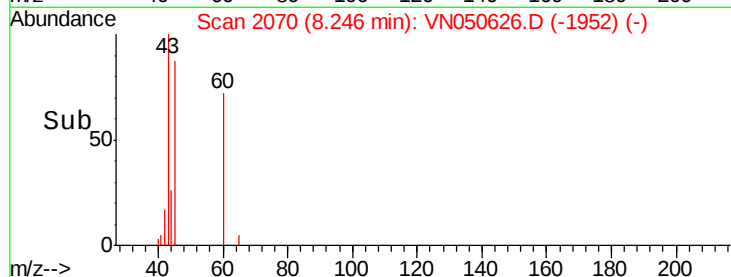
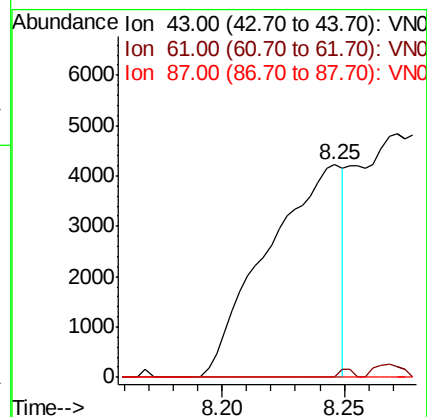
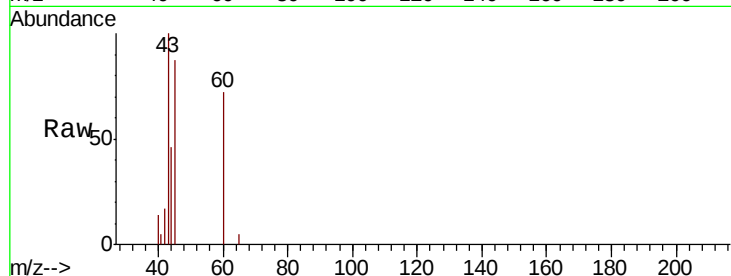
Tgt Ion: 43 Resp: 9008

Ion Ratio Lower Upper

43 100

61 0.0 16.2 24.2#

87 0.0 10.9 16.3#



#44

Trichloroethene

Concen: 0.478 ug/l

RT: 8.84 min Scan# 2255

Delta R.T. 0.00 min

Lab File: VN050626.D

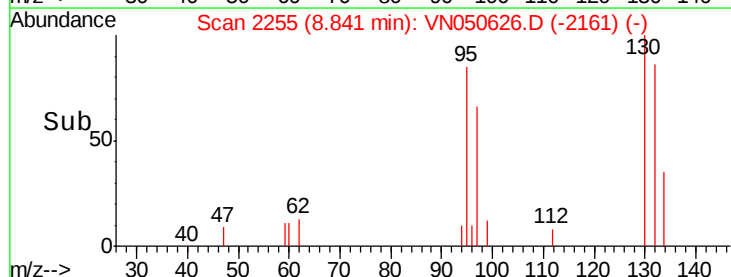
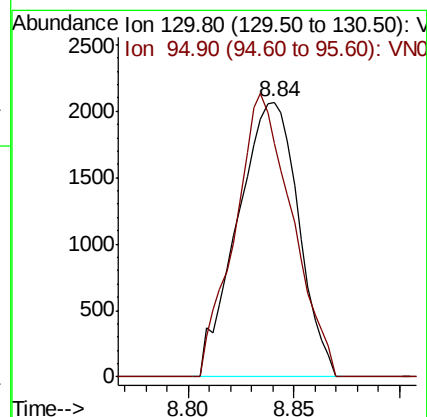
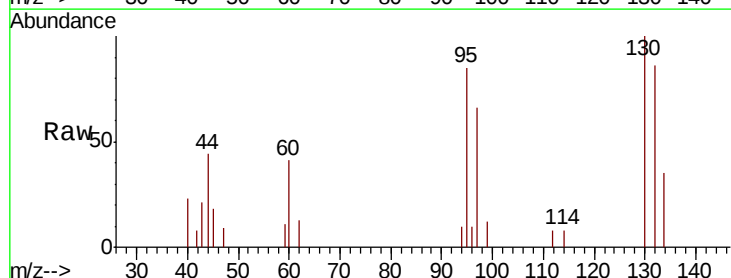
Acq: 15 Aug 2018 1:53

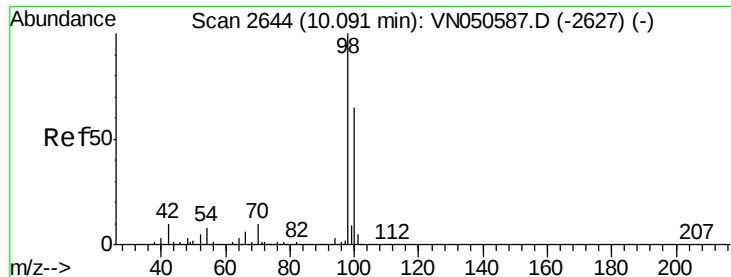
Tgt Ion: 130 Resp: 4149

Ion Ratio Lower Upper

130 100

95 84.9 0.0 193.8





#50

Toluene-d8

Concen: 46.501 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050626.D

Acq: 15 Aug 2018 1:53

Instrument :

MSVOA_N

ClientSampleId :

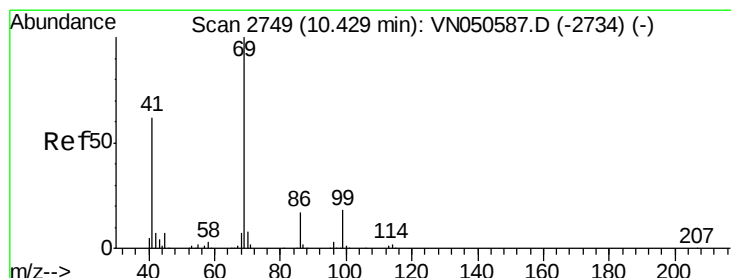
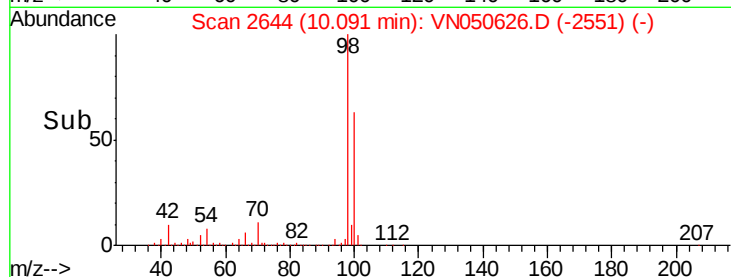
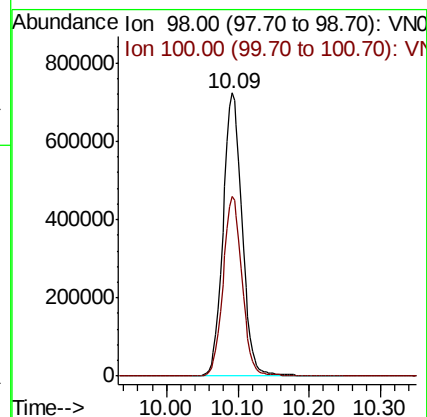
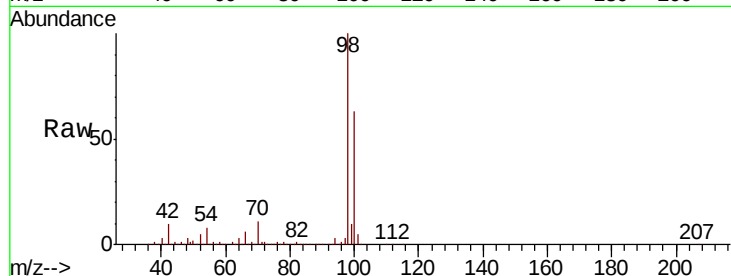
945-MW-06(17)

Tgt Ion: 98 Resp: 1336929

Ion Ratio Lower Upper

98 100

100 63.0 51.8 77.8



#56

Ethyl methacrylate

Concen: 1.908 ug/l

RT: 10.15 min Scan# 2661

Delta R.T. -0.28 min

Lab File: VN050626.D

Acq: 15 Aug 2018 1:53

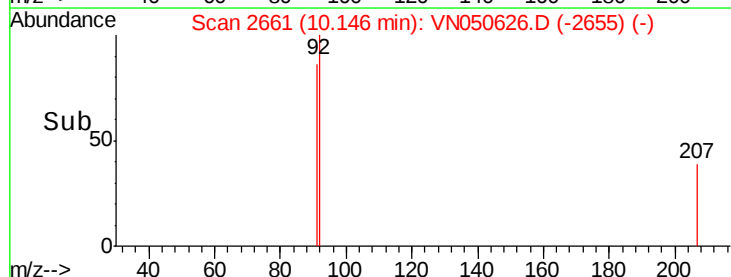
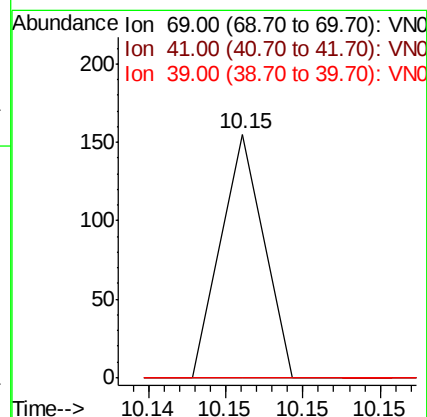
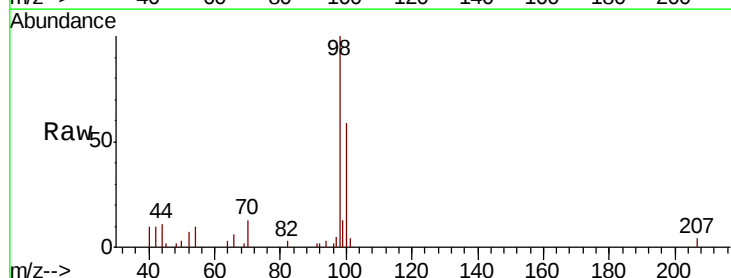
Tgt Ion: 69 Resp: 30

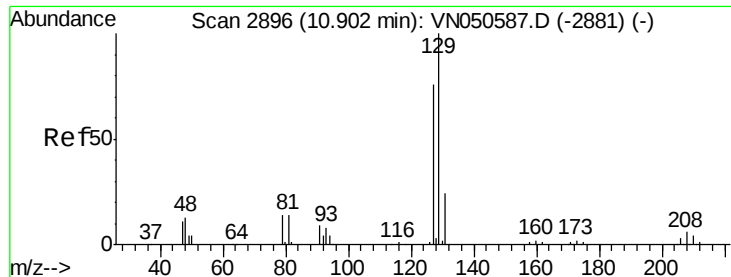
Ion Ratio Lower Upper

69 100

41 0.0 49.7 74.5#

39 0.0 24.2 36.2#

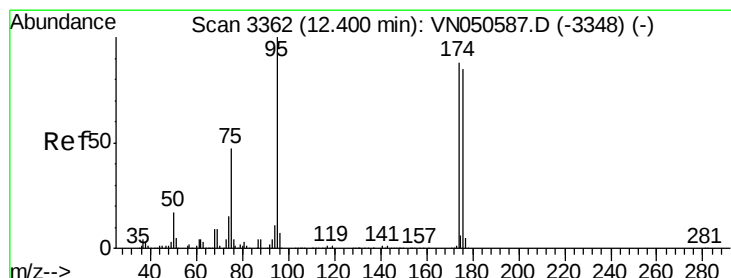
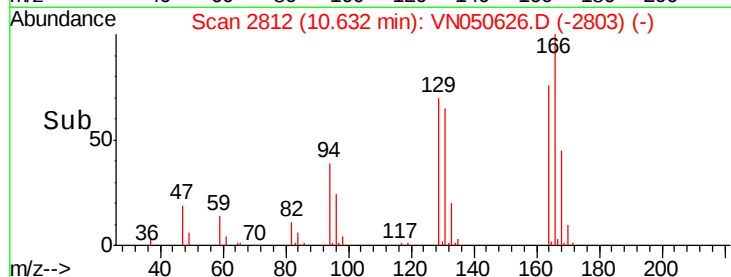
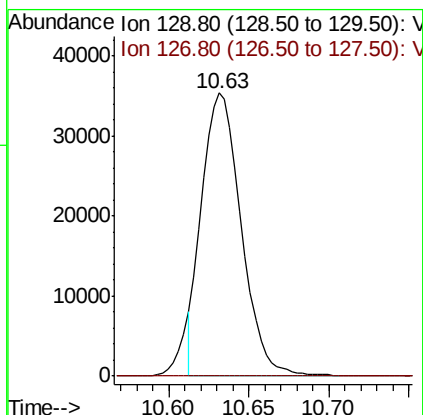
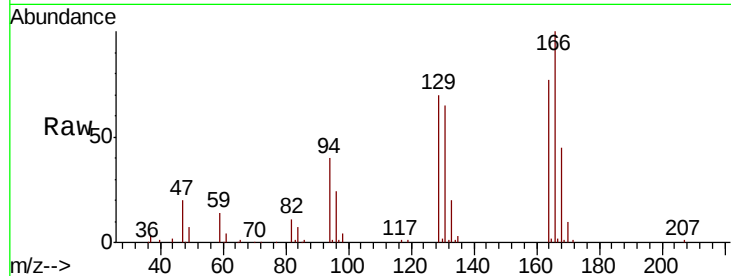




#60
 Dibromochloromethane
 Concen: 7.581 ug/l
 RT: 10.63 min Scan# 2812
 Delta R.T. -0.27 min
 Lab File: VN050626.D
 Acq: 15 Aug 2018 1:53

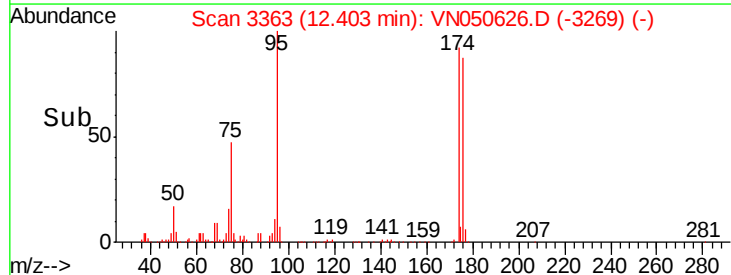
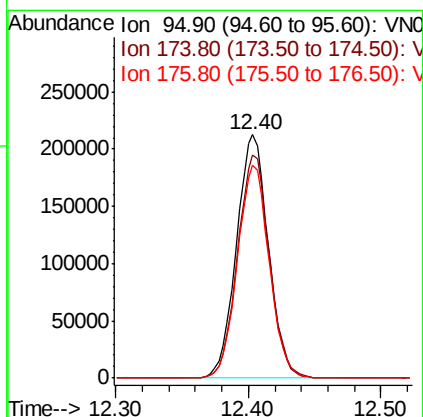
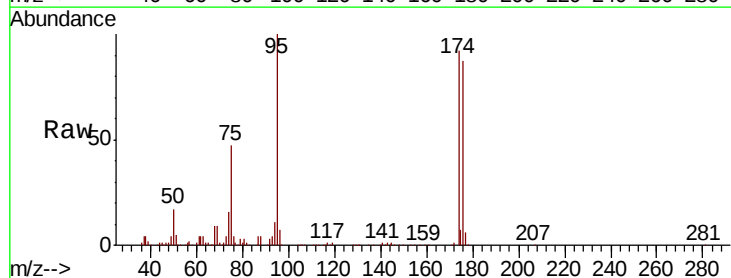
Instrument :
 MSVOA_N
 ClientSampleId :
 945-MW-06(17)

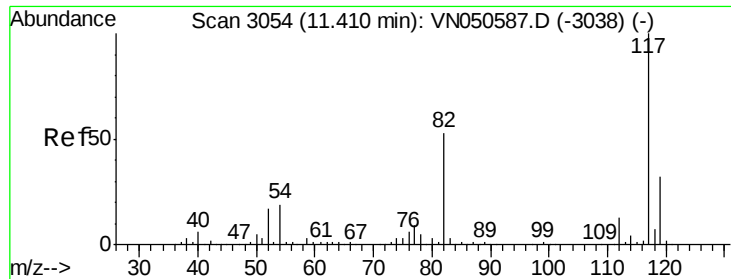
Tgt Ion: 129 Resp: 60478
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.9 116.7#



#62
 4-Bromofluorobenzene
 Concen: 37.270 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050626.D
 Acq: 15 Aug 2018 1:53

Tgt Ion: 95 Resp: 353992
 Ion Ratio Lower Upper
 95 100
 174 92.3 0.0 177.8
 176 87.5 0.0 175.0

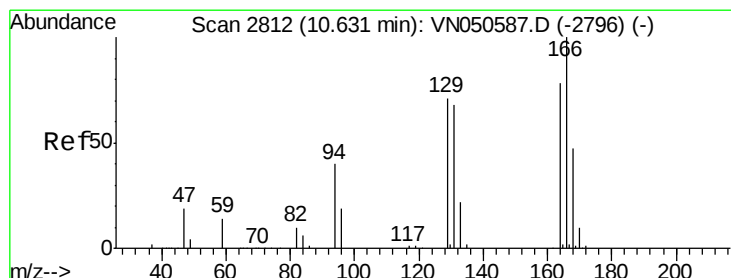
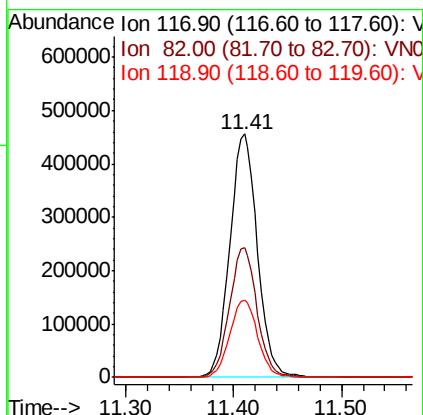
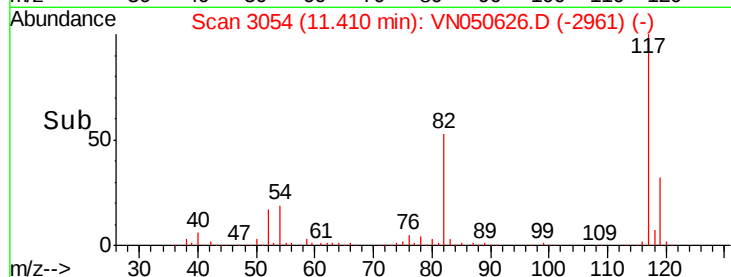
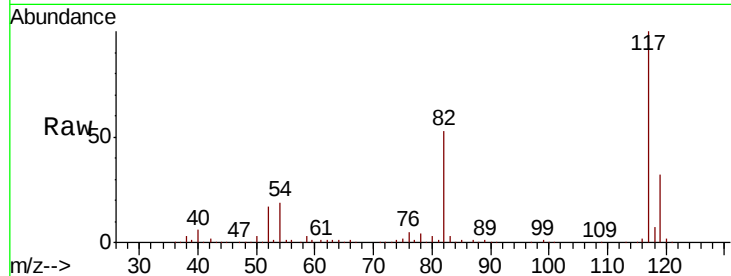




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050626.D
Acq: 15 Aug 2018 1:53

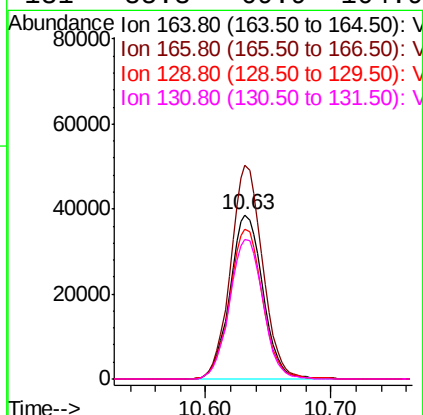
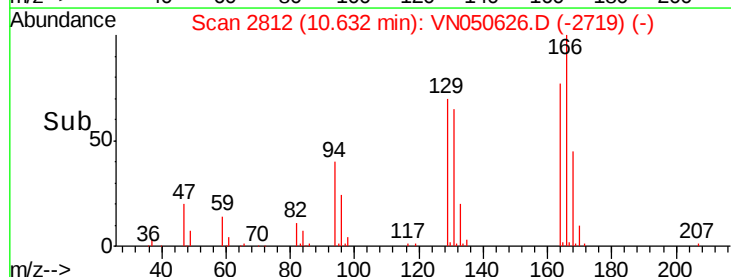
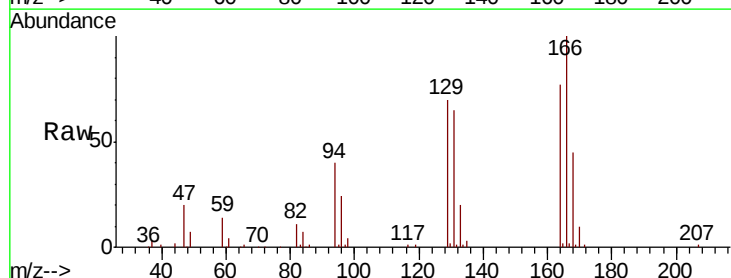
Instrument :
MSVOA_N
ClientSampleId :
945-MW-06(17)

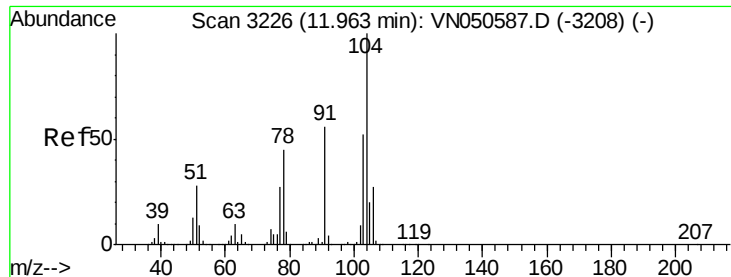
Tgt Ion:117 Resp: 811807
Ion Ratio Lower Upper
117 100
82 53.3 42.4 63.6
119 31.9 25.8 38.8



#64
Tetrachloroethene
Concen: 9.354 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050626.D
Acq: 15 Aug 2018 1:53

Tgt Ion:164 Resp: 70519
Ion Ratio Lower Upper
164 100
166 130.2 102.1 153.1
129 91.6 72.7 109.1
131 85.3 69.9 104.9

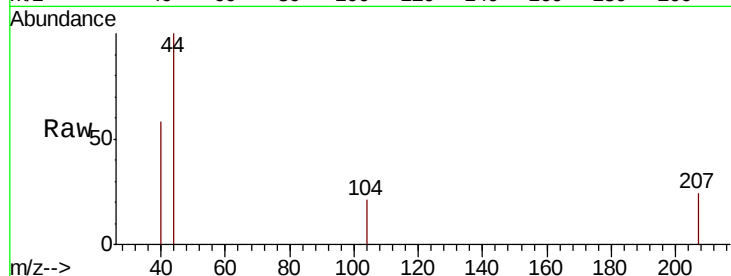




#70
Styrene
Concen: 0.942 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050626.D
Acq: 15 Aug 2018 1:53

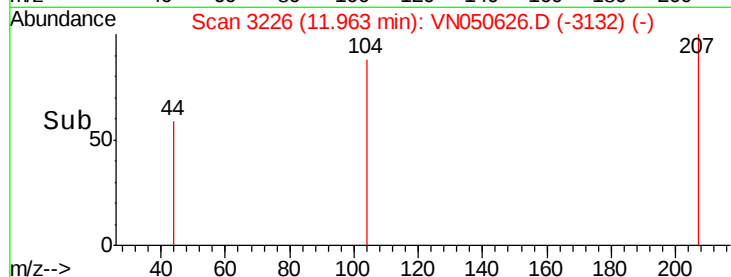
Instrument :
MSVOA_N
ClientSampled :
945-MW-06(17)

Tgt Ion:104 Resp: 34
Ion Ratio Lower Upper
104 100
78 0.0 39.1 58.7#
103 0.0 44.9 67.3#

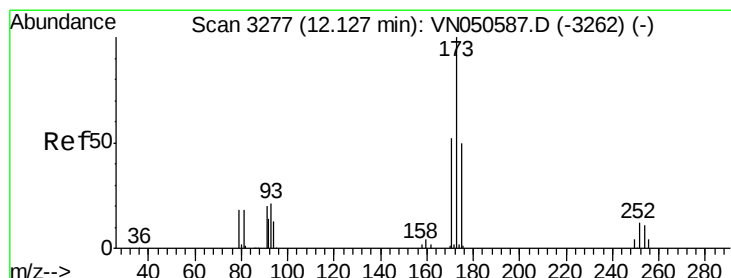


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

11.96

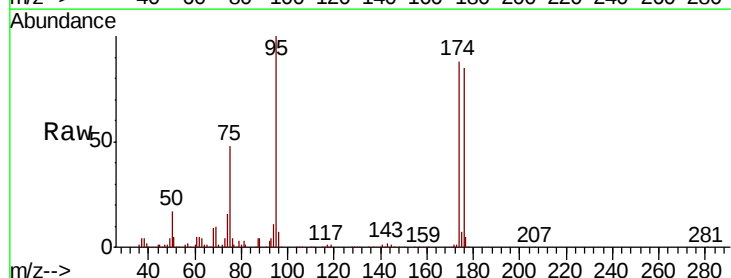


Time--> 11.95 11.96 11.97



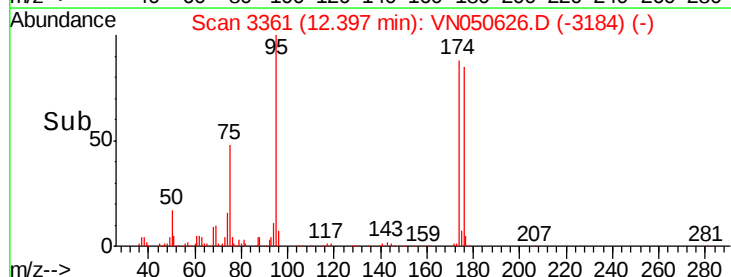
#71
Bromoform
Concen: 0.263 ug/l
RT: 12.40 min Scan# 3361
Delta R.T. 0.27 min
Lab File: VN050626.D
Acq: 15 Aug 2018 1:53

Tgt Ion:173 Resp: 1319
Ion Ratio Lower Upper
173 100
175 1527.7 24.4 73.2#
254 0.0 0.0 0.0

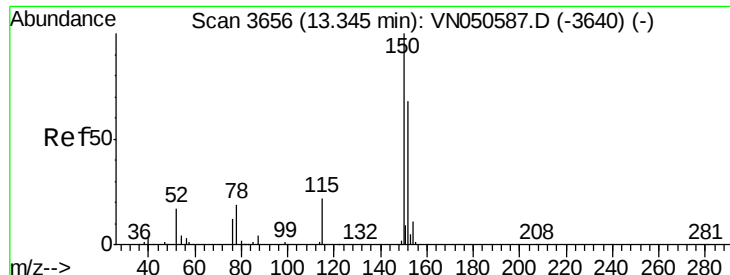


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

12.40



Time--> 12.36 12.38 12.40



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050626.D

Acq: 15 Aug 2018 1:53

Instrument :

MSVOA_N

ClientSampleId :

945-MW-06(17)

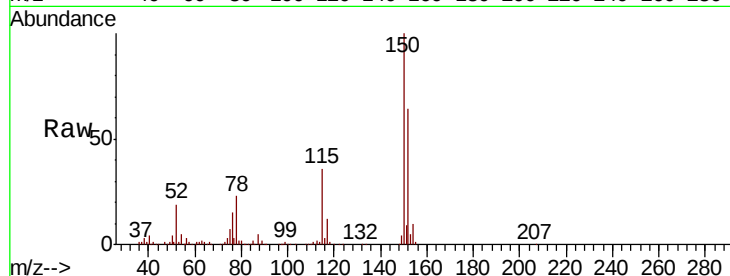
Tgt Ion:152 Resp: 290442

Ion Ratio Lower Upper

152 100

115 55.7 28.1 84.2

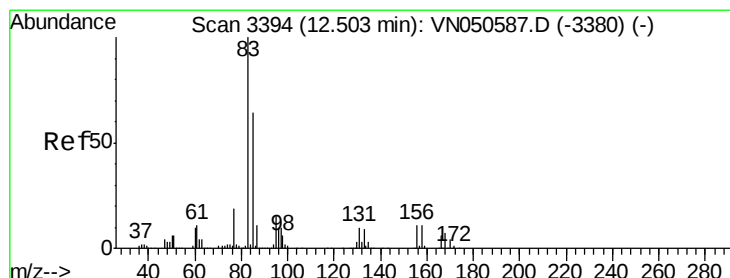
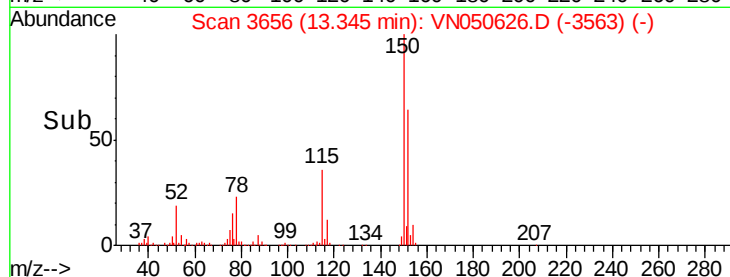
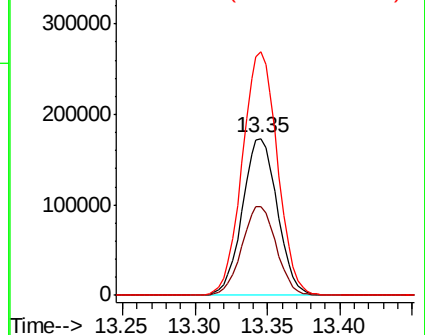
150 156.1 0.0 347.8



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3363

Delta R.T. -0.10 min

Lab File: VN050626.D

Acq: 15 Aug 2018 1:53

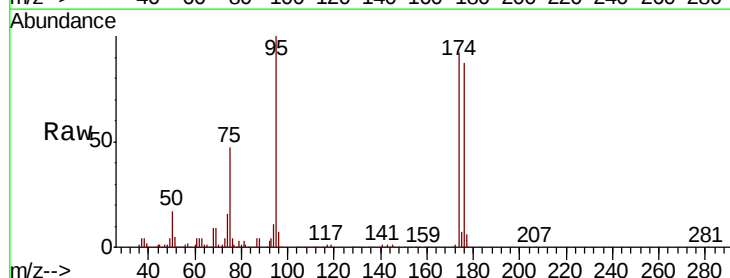
Tgt Ion: 83 Resp: 31

Ion Ratio Lower Upper

83 100

131 1164.5 5.3 15.9#

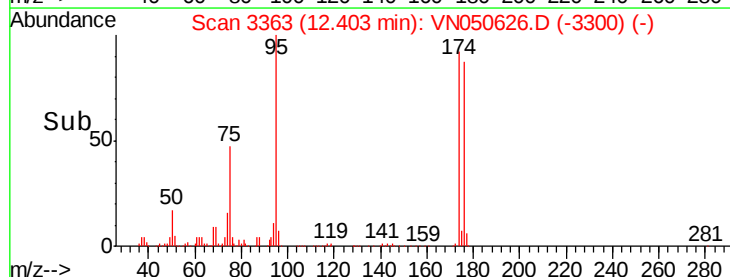
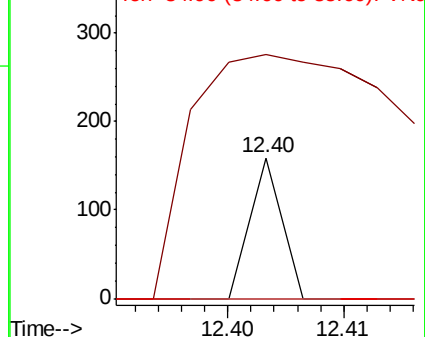
85 0.0 32.1 96.5#

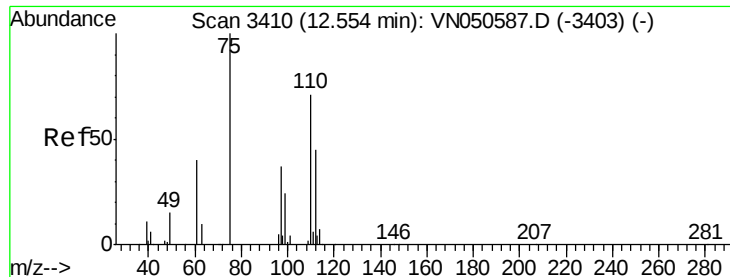


Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VNO





#76

1,2,3-Trichloropropane

Concen: 35.478 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050626.D

Acq: 15 Aug 2018 1:53

Instrument :

MSVOA_N

ClientSampleId :

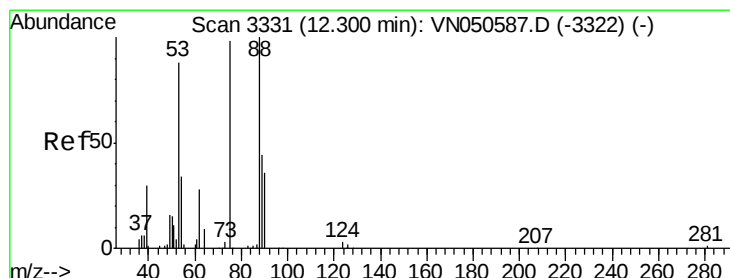
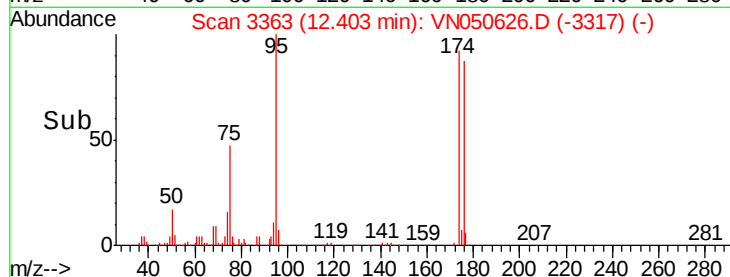
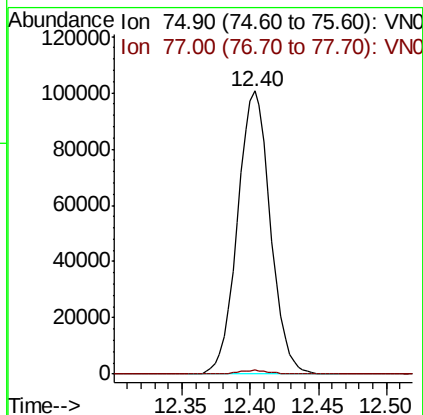
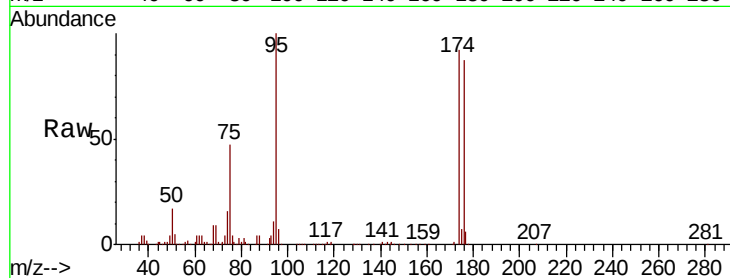
945-MW-06(17)

Tgt Ion: 75 Resp: 167884

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 128.508 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050626.D

Acq: 15 Aug 2018 1:53

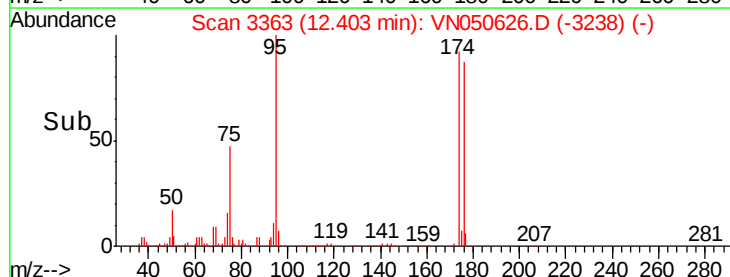
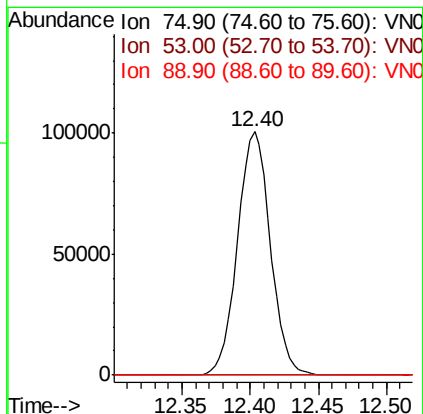
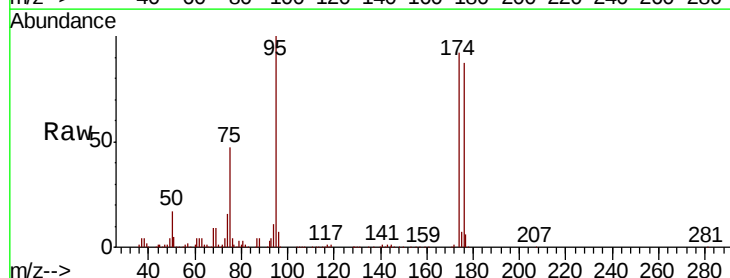
Tgt Ion: 75 Resp: 167884

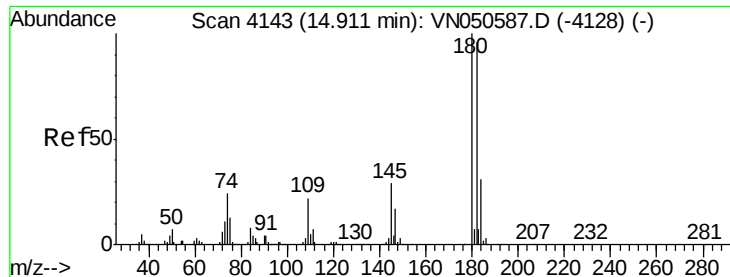
Ion Ratio Lower Upper

75 100

53 0.2 72.2 108.2#

89 0.0 36.3 54.5#

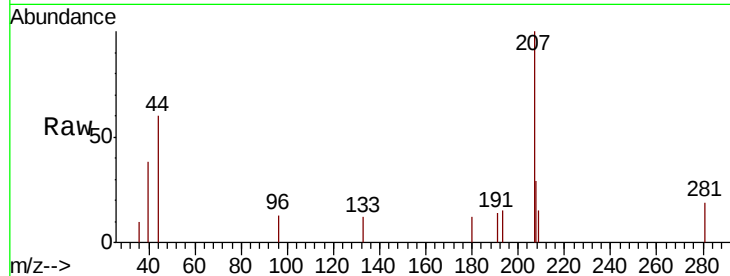




#93
 1,2,4-Trichlorobenzene
 Concen: 2.687 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050626.D
 Acq: 15 Aug 2018 1:53

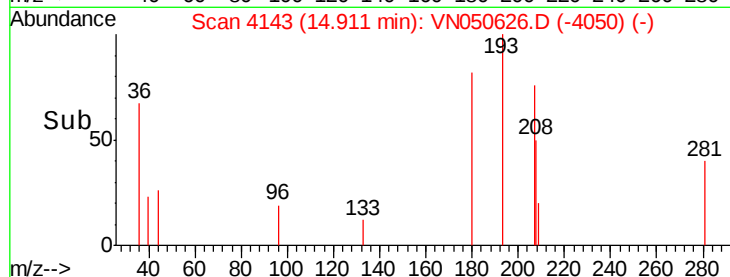
Instrument :
 MSVOA_N
 ClientSampled :
 945-MW-06(17)

Tgt Ion:180 Resp: 72
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.9 143.7#
 145 0.0 14.4 43.4#

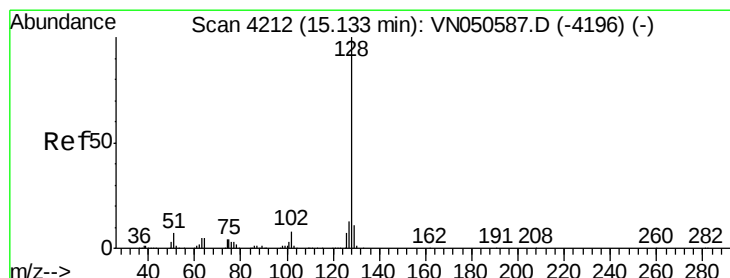


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

14.91

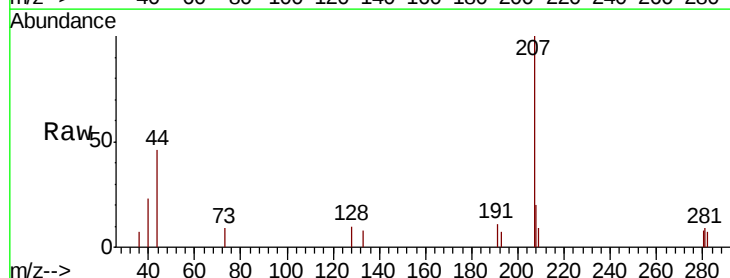


Time-->



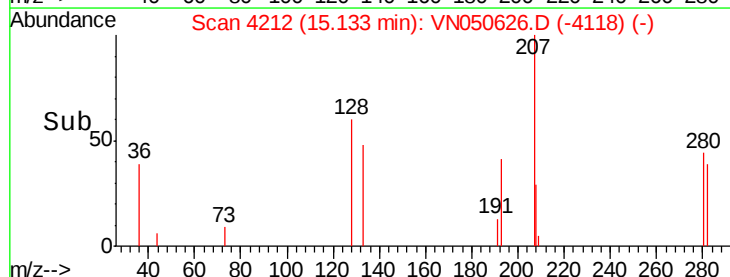
#95
 Naphthalene
 Concen: 3.874 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN050626.D
 Acq: 15 Aug 2018 1:53

Tgt Ion:128 Resp: 160
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.5 12.7#



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

15.13



Time-->