

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\
 Data File : VN050518.D
 Acq On : 10 Aug 2018 15:22
 Operator : MD\SY
 Sample : J4397-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11

Quant Time: Aug 10 23:16:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	701141	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1101354	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	937205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	367516	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	467499	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
35) Dibromofluoromethane	7.59	113	432328	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
50) Toluene-d8	10.09	98	1518569	45.70	ug/l	0.00
Spiked Amount			Recovery	=	91.40%	
62) 4-Bromofluorobenzene	12.40	95	425654	37.59	ug/l	0.00
Spiked Amount			Recovery	=	75.18%	

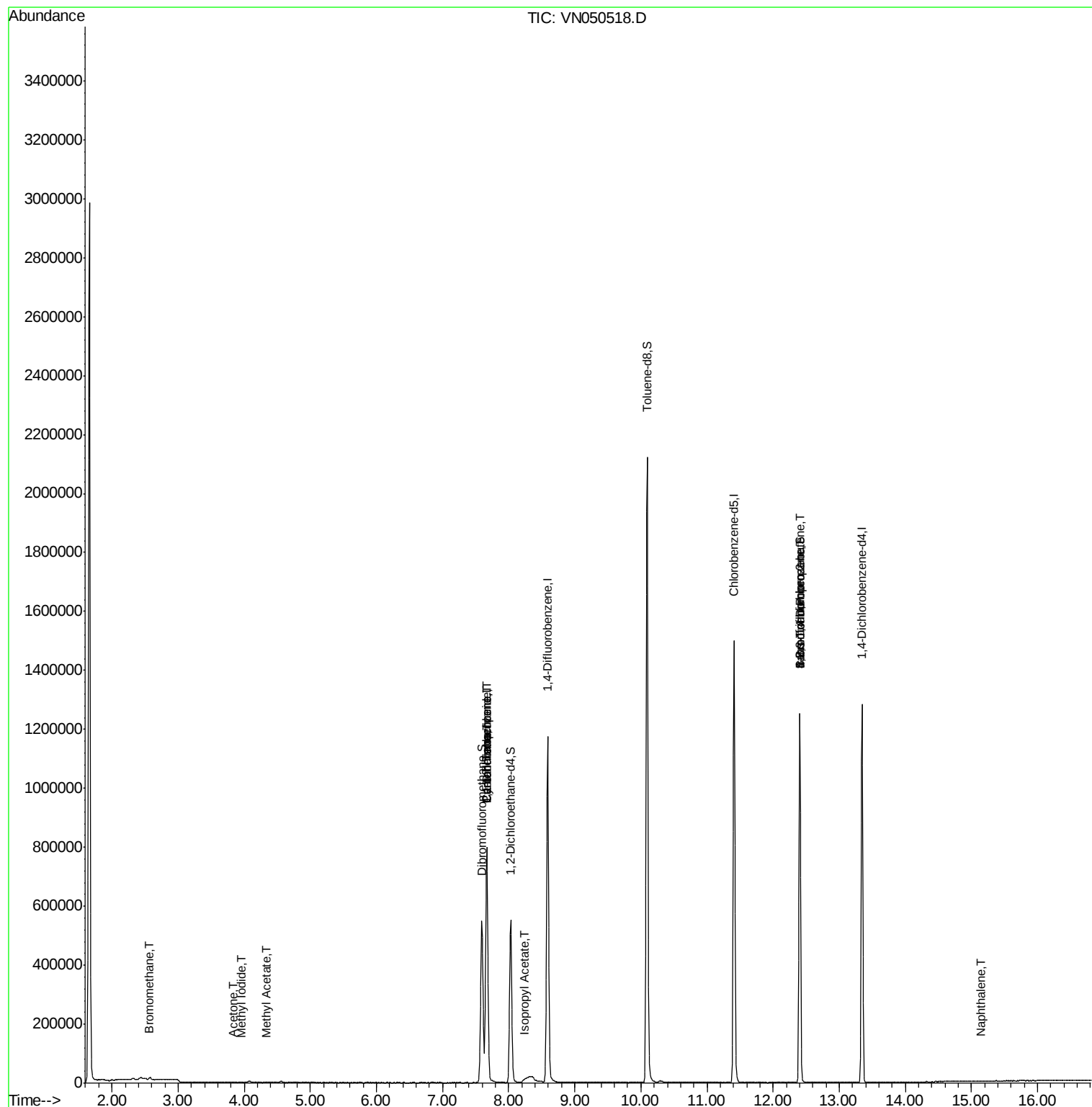
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3103	Below Cal		96
5) Bromomethane	2.57	94	4075	1.00 ug/l		96
10) Methyl Iodide	3.96	142	1169	0.33 ug/l	#	73
16) Acetone	3.83	43	4561	1.27 ug/l	#	87
18) Methyl Acetate	4.34	43	3395	0.28 ug/l	#	85
20) Methylene Chloride	4.55	84	3101	Below Cal		85
31) Cyclohexane	7.67	56	11842	0.26 ug/l	#	1
36) 1,1-Dichloropropene	7.67	75	48291	3.99 ug/l	#	48
38) Carbon Tetrachloride	7.67	117	61918	4.90 ug/l	#	16
43) Isopropyl Acetate	8.23	43	5761	0.38 ug/l	#	61
71) Bromoform	12.40	173	2130	0.34 ug/l	#	1
76) 1,2,3-Trichloropropane	12.40	75	207974	31.26 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.40	75	207974	109.84 ug/l	#	13
95) Naphthalene	15.13	128	271	3.63 ug/l	#	69

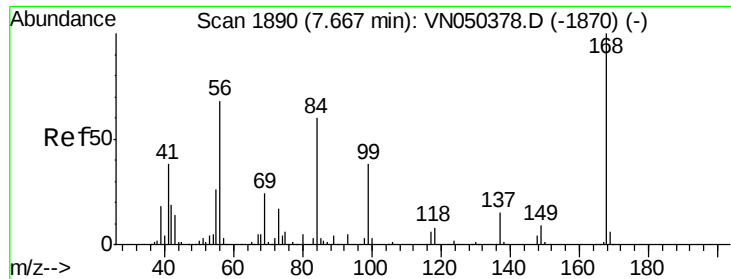
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050518.D

Acq: 10 Aug 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

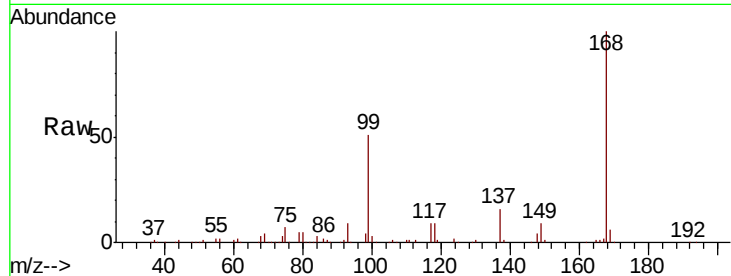
MW-11

Tot Ion:168 Resp: 701141

Ion Ratio Lower Upper

168 100

99 50.6 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

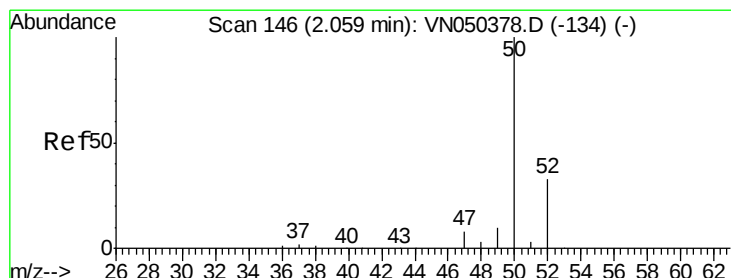
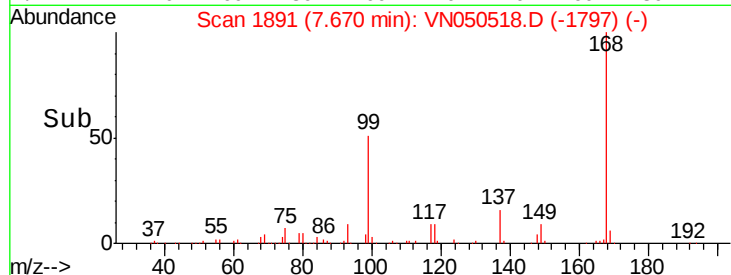
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050518.D

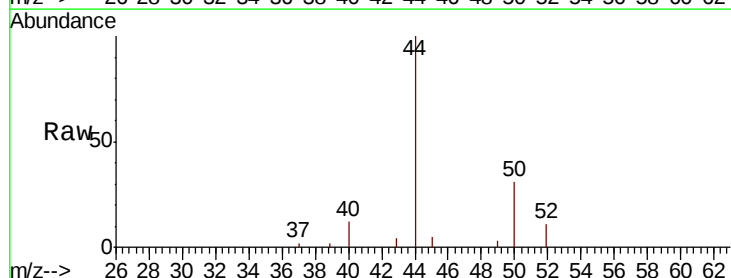
Acq: 10 Aug 2018 15:22

Tgt Ion: 50 Resp: 3103

Ion Ratio Lower Upper

50 100

52 34.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

2500

2000

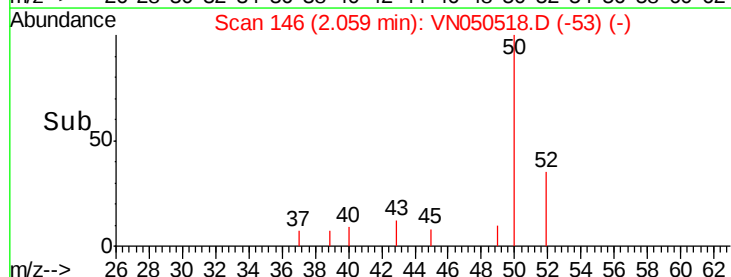
1500

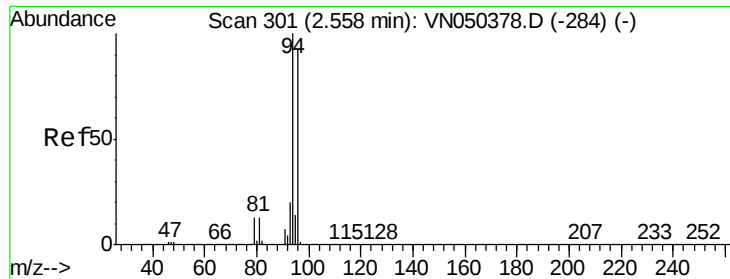
1000

500

0

Time-->





#5

Bromomethane

Concen: 1.00 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050518.D

Acq: 10 Aug 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

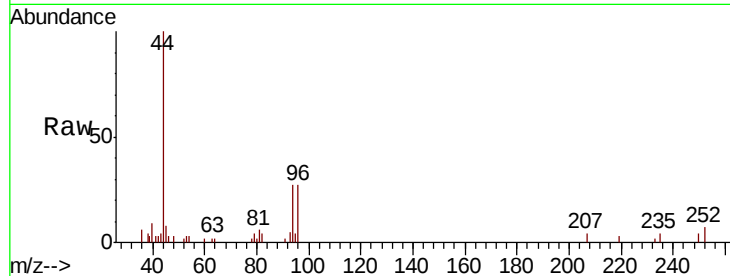
MW-11

Tot Ion: 94 Resp: 4075

Ion Ratio Lower Upper

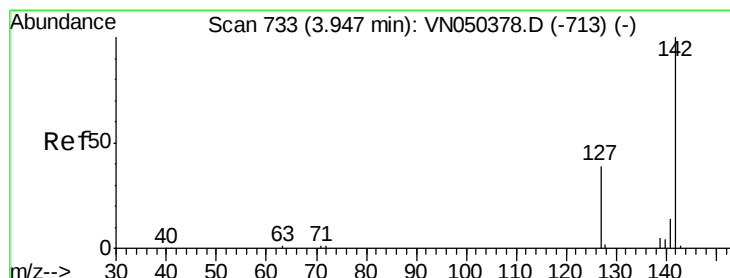
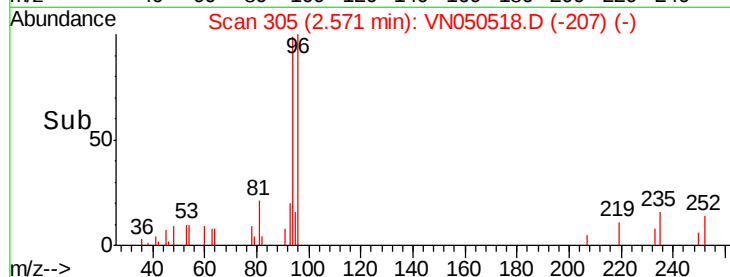
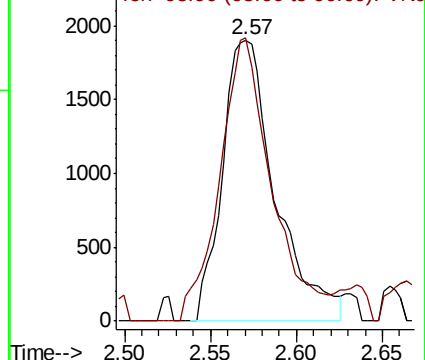
94 100

96 89.8 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#10

Methyl Iodide

Concen: 0.33 ug/l

RT: 3.96 min Scan# 737

Delta R.T. 0.01 min

Lab File: VN050518.D

Acq: 10 Aug 2018 15:22

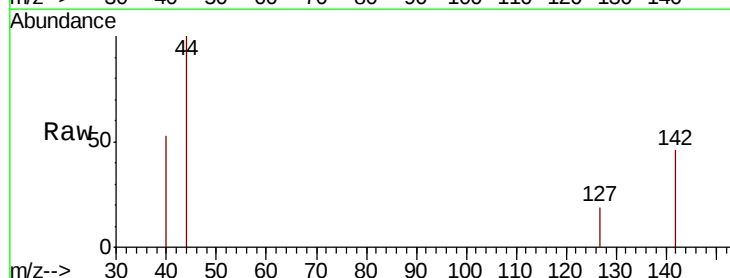
Tgt Ion: 142 Resp: 1169

Ion Ratio Lower Upper

142 100

127 26.9 33.4 50.2#

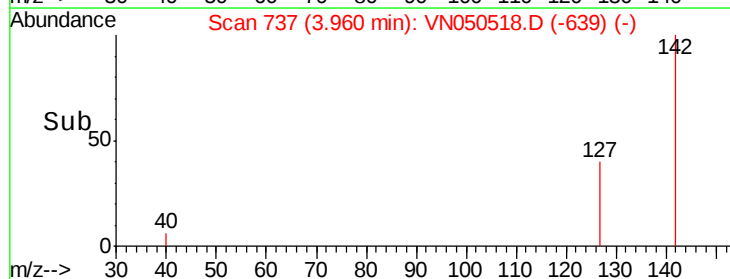
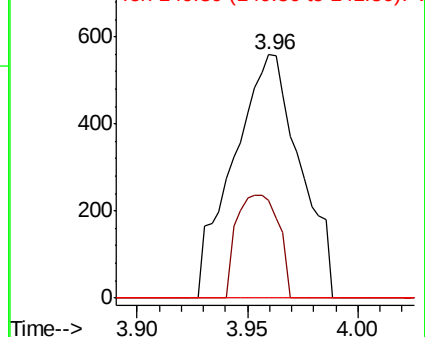
141 0.0 11.6 17.4#

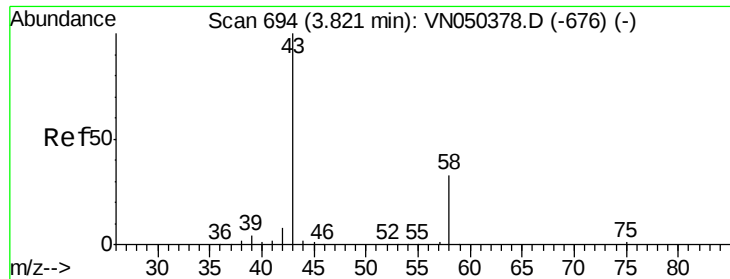


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 1.27 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN050518.D

Acq: 10 Aug 2018 15:22

Instrument :

MSVOA_N

ClientSampled :

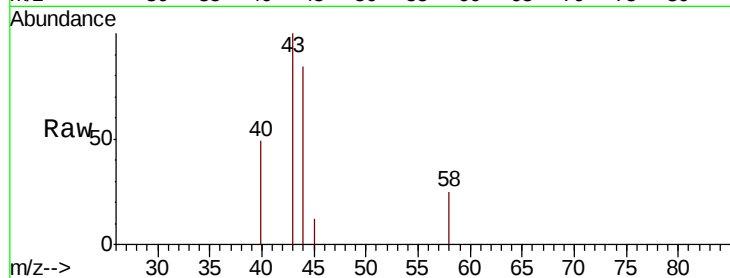
MW-11

Tot Ion: 43 Resp: 4561

Ion Ratio Lower Upper

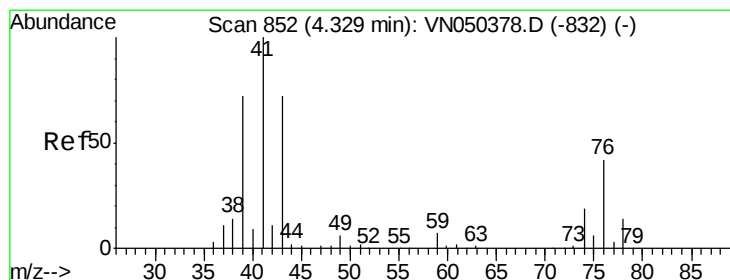
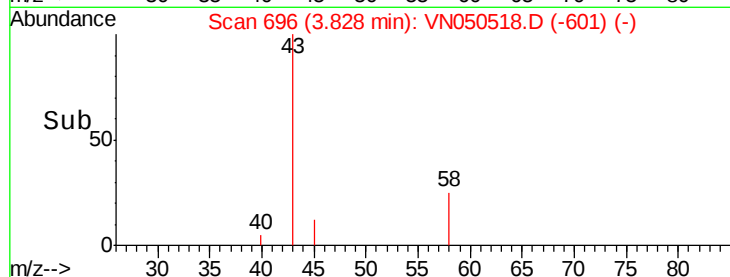
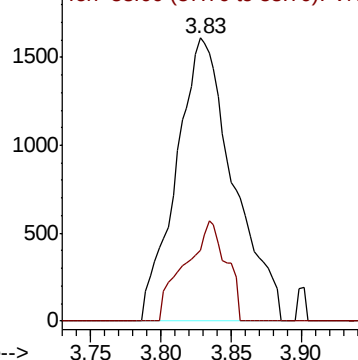
43 100

58 25.0 25.8 38.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.28 ug/l

RT: 4.34 min Scan# 856

Delta R.T. 0.01 min

Lab File: VN050518.D

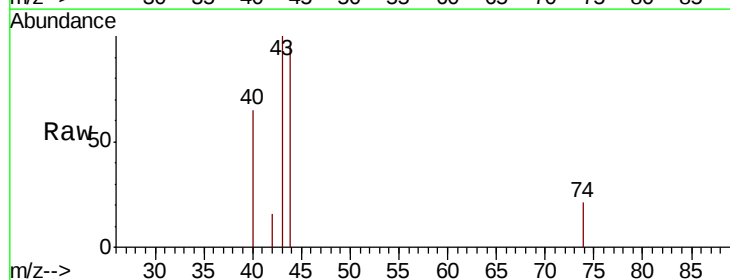
Acq: 10 Aug 2018 15:22

Tgt Ion: 43 Resp: 3395

Ion Ratio Lower Upper

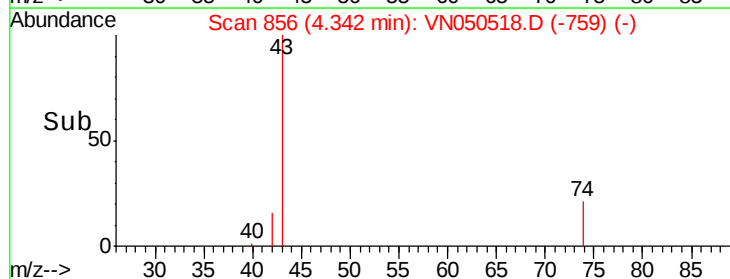
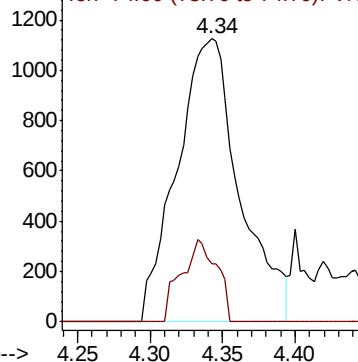
43 100

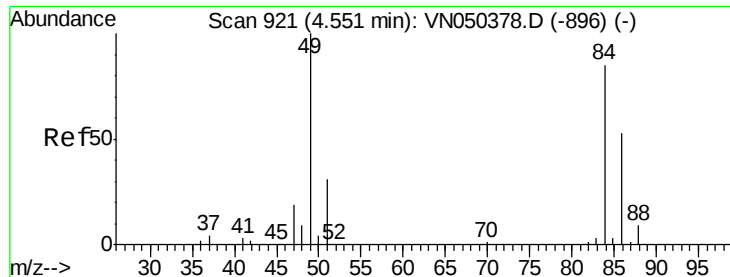
74 16.5 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

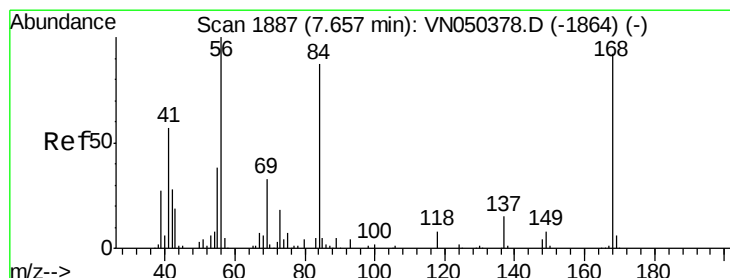
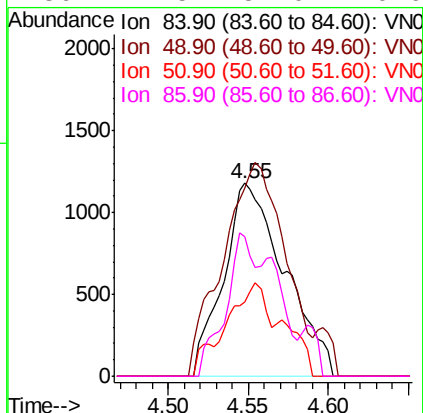
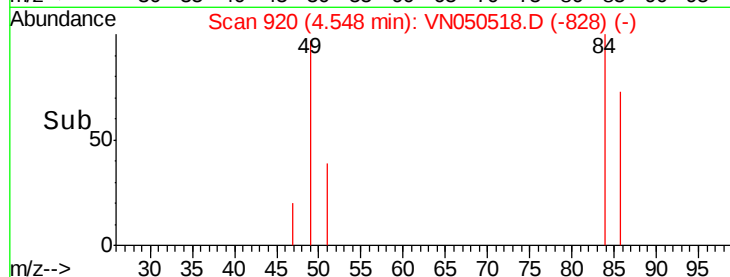
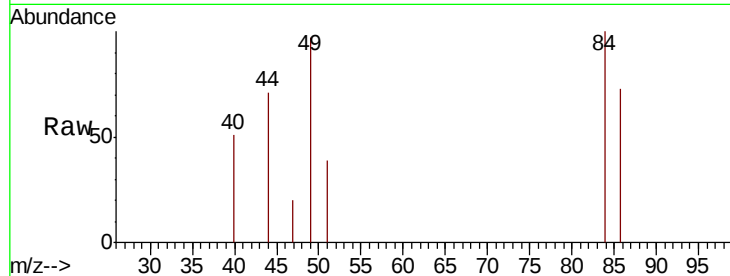




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN050518.D
Acq: 10 Aug 2018 15:22

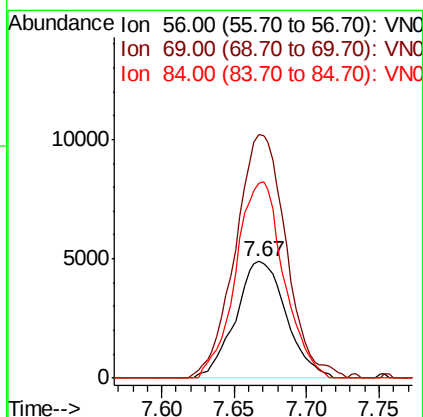
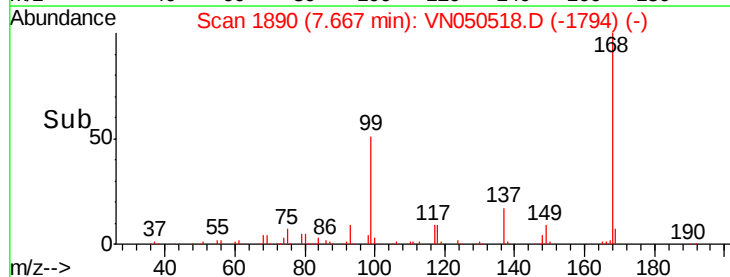
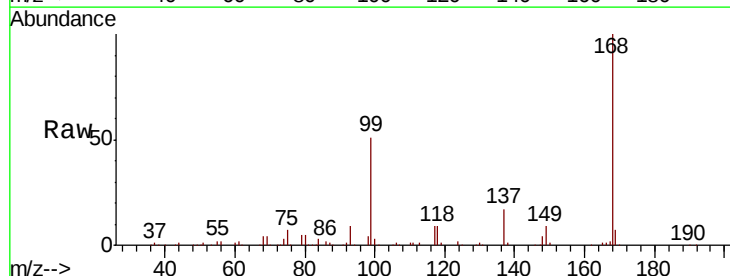
Instrument :
MSVOA_N
ClientSampleId :
MW-11

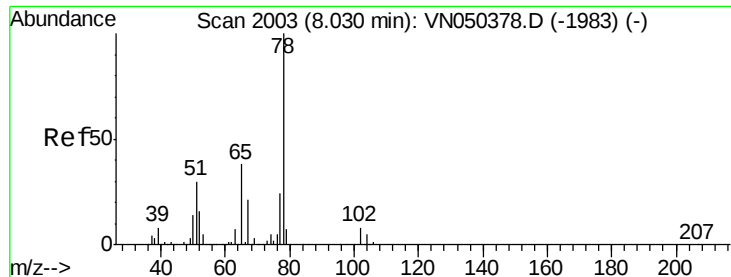
Tot Ion:	84	Resp:	3101
Ion	Ratio	Lower	Upper
84	100		
49	97.1	94.8	142.2
51	38.7	28.3	42.5
86	72.5	51.0	76.6



#31
Cyclohexane
Concen: 0.26 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050518.D
Acq: 10 Aug 2018 15:22

Tgt Ion:	56	Resp:	11842
Ion	Ratio	Lower	Upper
56	100		
69	209.0	26.2	39.4#
84	167.8	67.4	101.0#

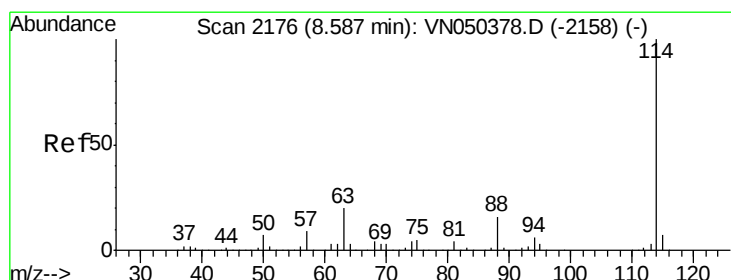
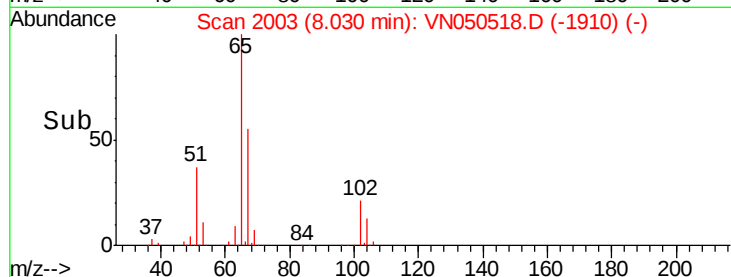
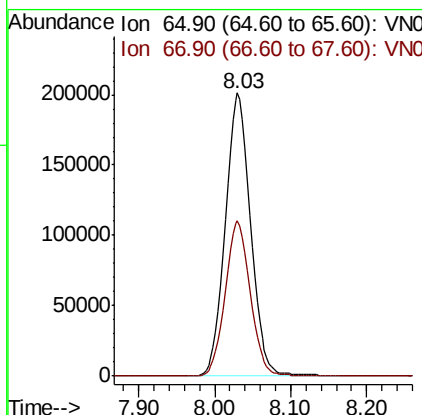
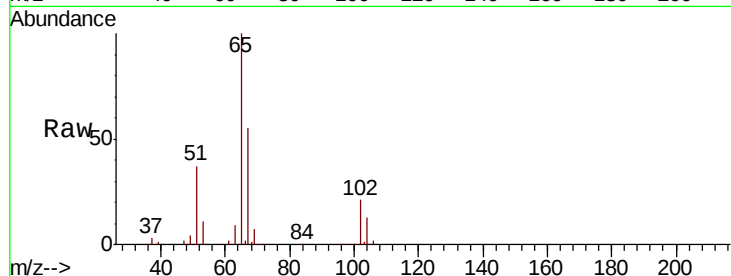




#33
 1,2-Dichloroethane-d4
 Concen: 49.90 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050518.D
 Acq: 10 Aug 2018 15:22

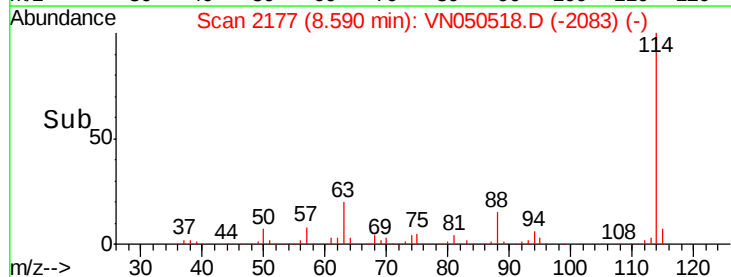
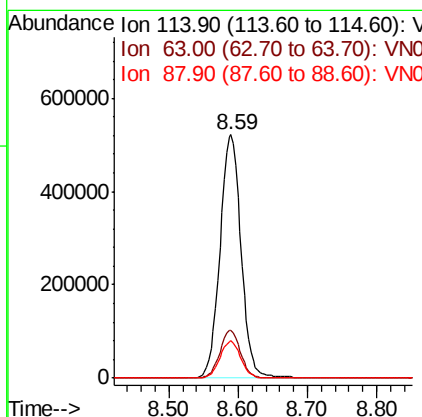
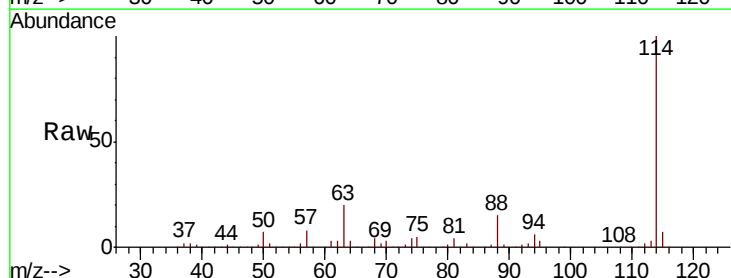
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11

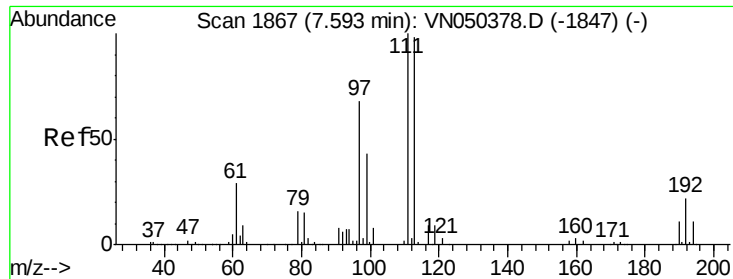
Tot Ion: 65 Resp: 467499
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050518.D
 Acq: 10 Aug 2018 15:22

Tgt Ion: 114 Resp: 1101354
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 15.3 0.0 31.2

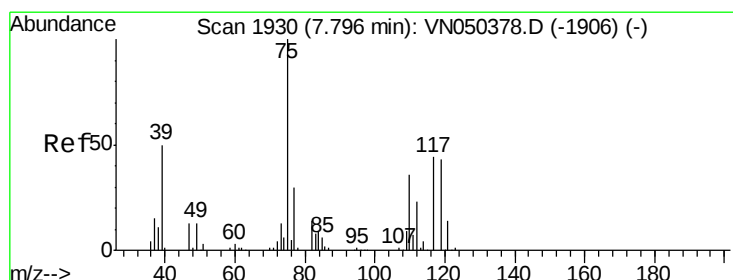
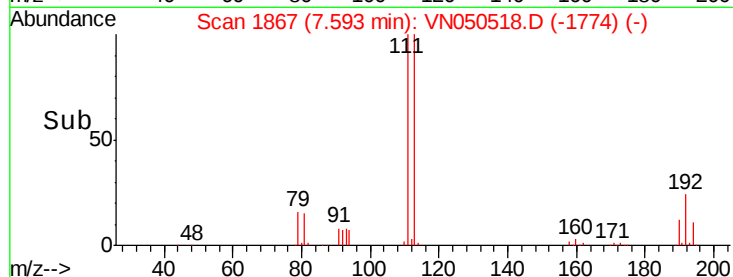
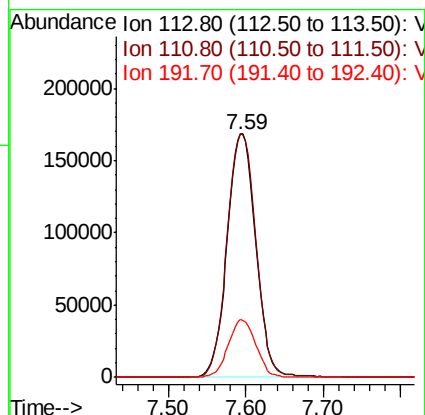
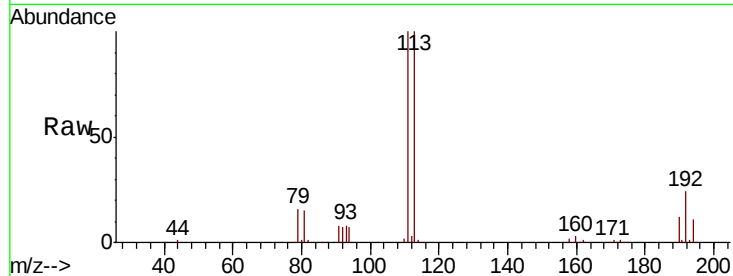




#35
 Dibromofluoromethane
 Concen: 48.92 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050518.D
 Acq: 10 Aug 2018 15:22

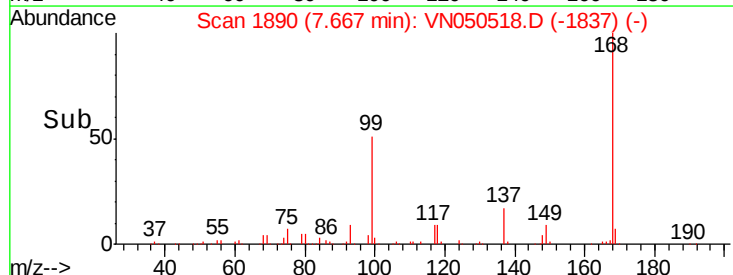
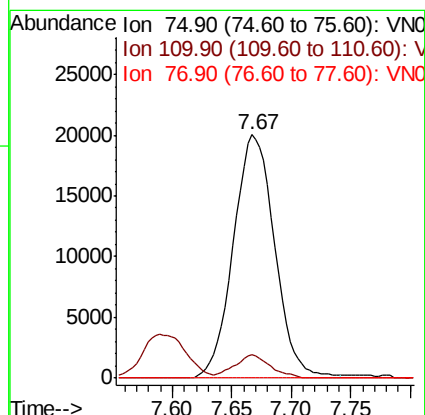
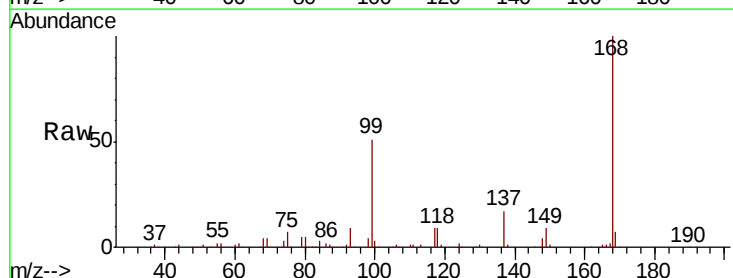
Instrument :
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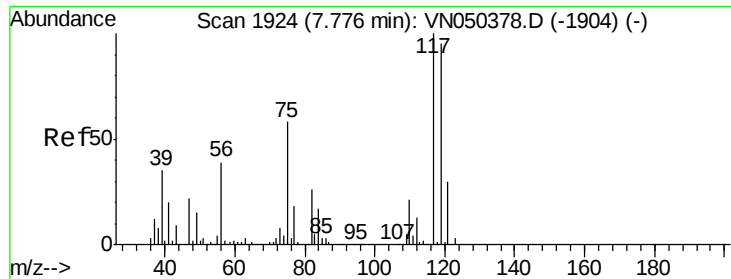
Tot Ion:113 Resp: 432328
 Ion Ratio Lower Upper
 113 100
 111 101.3 80.7 121.1
 192 22.8 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.99 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050518.D
 Acq: 10 Aug 2018 15:22

Tgt Ion: 75 Resp: 48291
 Ion Ratio Lower Upper
 75 100
 110 8.3 18.4 55.2#
 77 0.0 25.3 37.9#

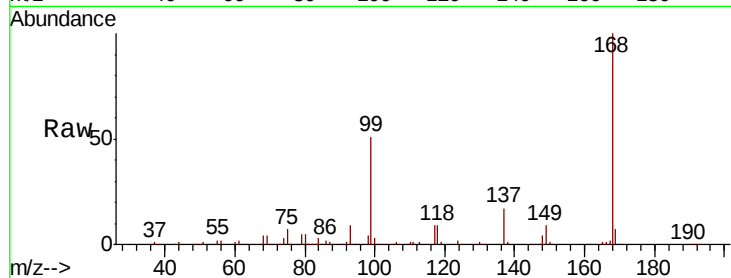




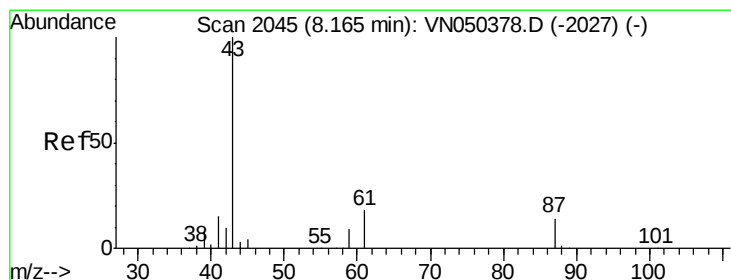
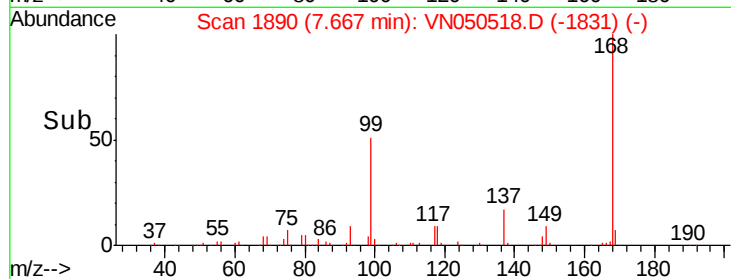
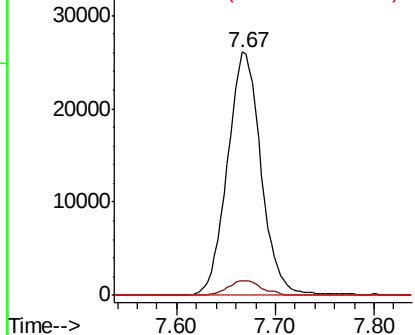
#38
Carbon Tetrachloride
Concen: 4.90 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050518.D
Acq: 10 Aug 2018 15:22

Instrument :
MSVOA_N
ClientSampled :
MW-11

Tot Ion:117 Resp: 61918
Ion Ratio Lower Upper
117 100
119 6.0 77.4 116.0#
121 0.0 23.9 35.9#

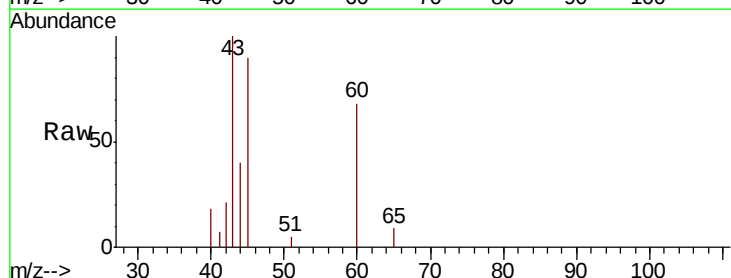


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

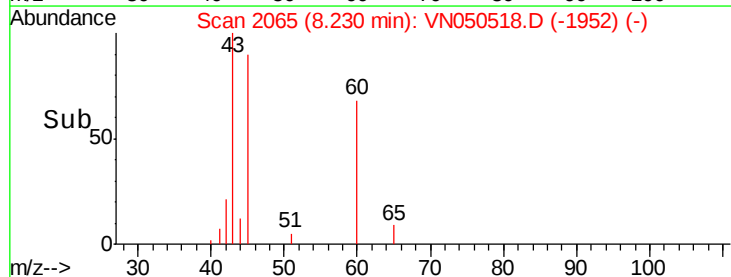
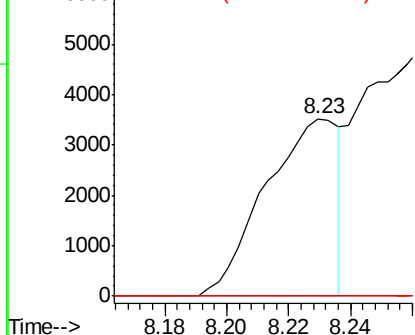


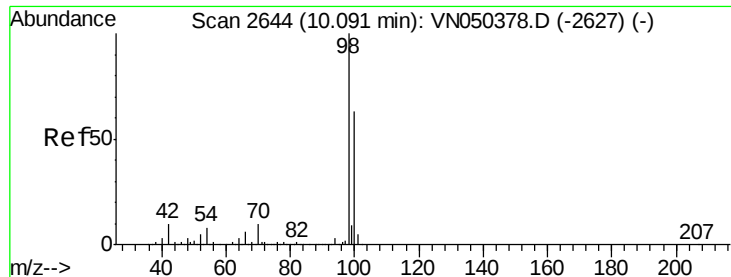
#43
Isopropyl Acetate
Concen: 0.38 ug/l
RT: 8.23 min Scan# 2065
Delta R.T. 0.06 min
Lab File: VN050518.D
Acq: 10 Aug 2018 15:22

Tgt Ion: 43 Resp: 5761
Ion Ratio Lower Upper
43 100
61 0.0 15.8 23.6#
87 0.0 10.3 15.5#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V

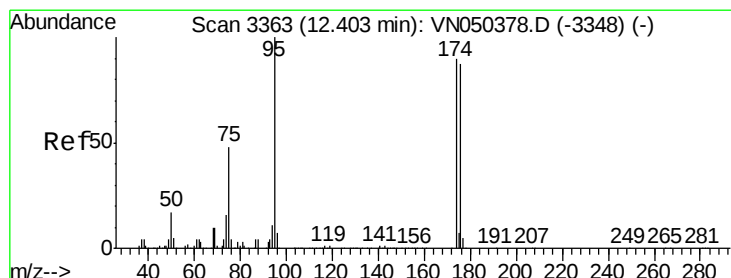
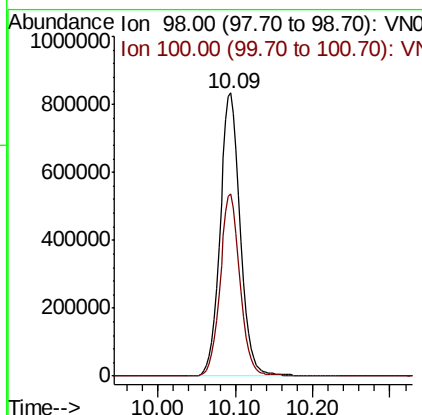
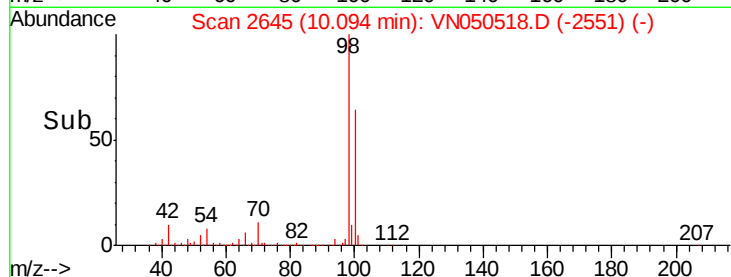
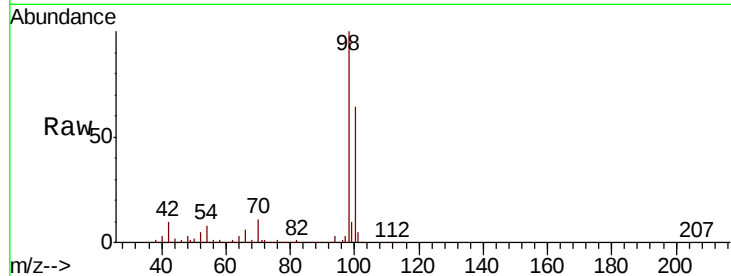




#50
Toluene-d8
Concen: 45.70 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050518.D
Acq: 10 Aug 2018 15:22

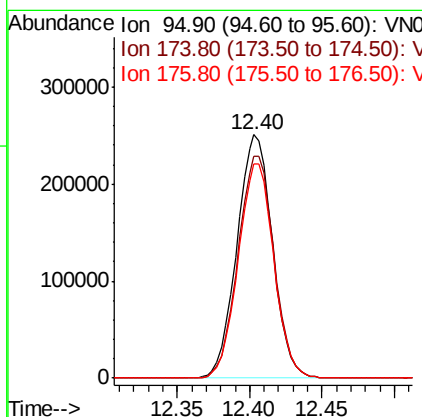
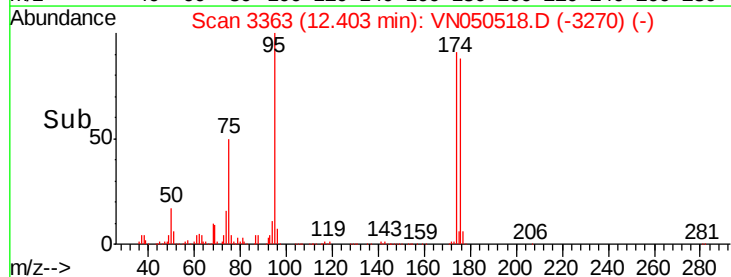
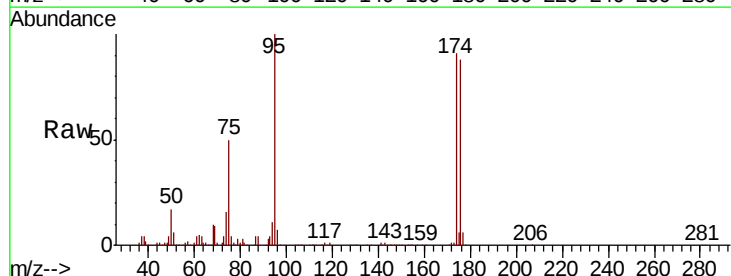
Instrument :
MSVOA_N
ClientSampleId :
MW-11

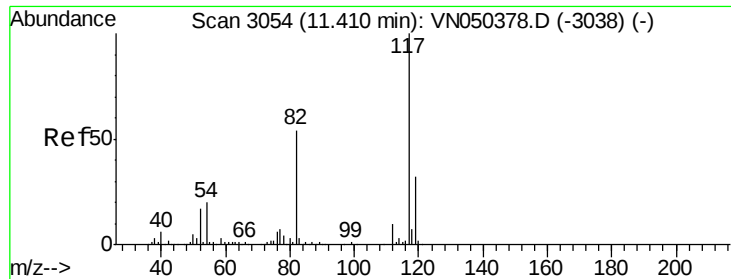
Tot Ion: 98 Resp: 1518569
Ion Ratio Lower Upper
98 100
100 63.5 50.7 76.1



#62
4-Bromofluorobenzene
Concen: 37.59 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050518.D
Acq: 10 Aug 2018 15:22

Tgt Ion: 95 Resp: 425654
Ion Ratio Lower Upper
95 100
174 92.7 0.0 178.2
176 88.6 0.0 173.4

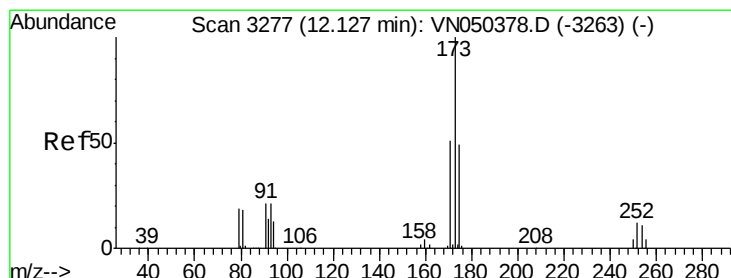
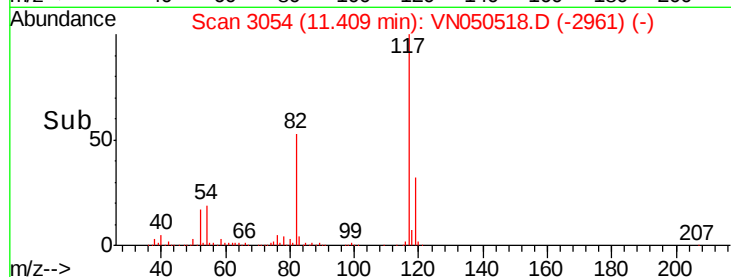
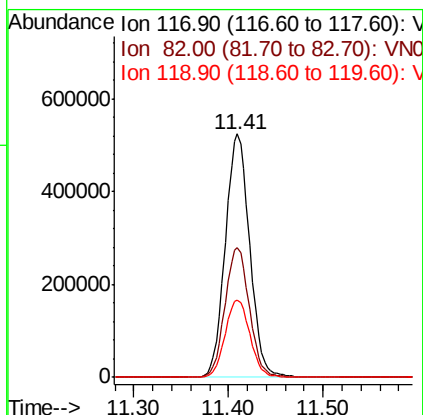
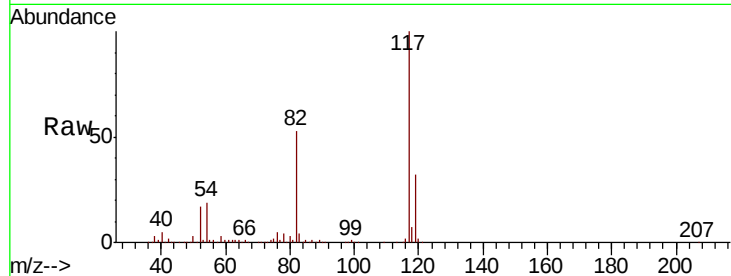




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050518.D
Acq: 10 Aug 2018 15:22

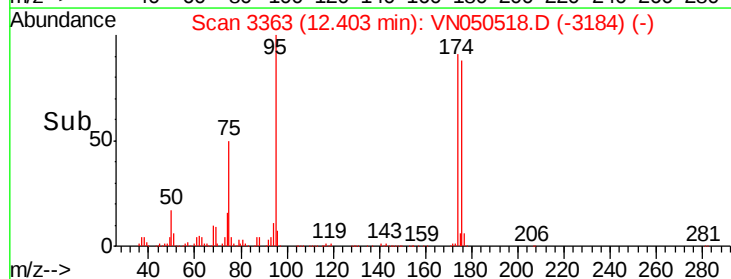
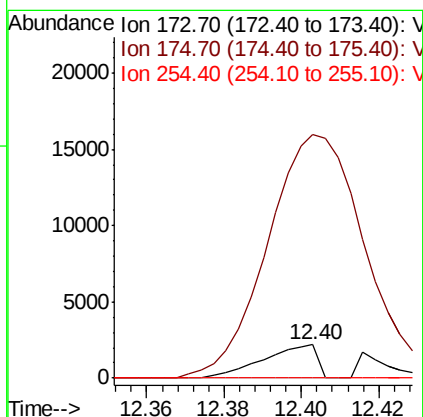
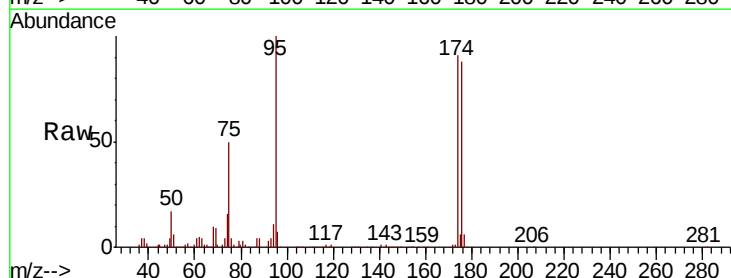
Instrument :
MSVOA_N
ClientSampleId :
MW-11

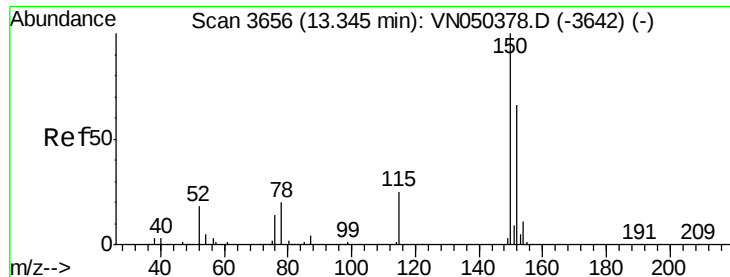
Tot Ion:117 Resp: 937205
Ion Ratio Lower Upper
117 100
82 53.4 43.7 65.5
119 31.8 26.1 39.1



#71
Bromoform
Concen: 0.34 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.28 min
Lab File: VN050518.D
Acq: 10 Aug 2018 15:22

Tgt Ion:173 Resp: 2130
Ion Ratio Lower Upper
173 100
175 1066.9 24.1 72.2#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050518.D

Acq: 10 Aug 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

MW-11

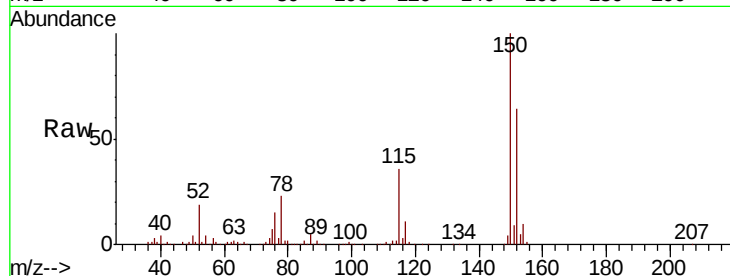
Tot Ion:152 Resp: 367516

Ion Ratio Lower Upper

152 100

115 56.5 27.8 83.3

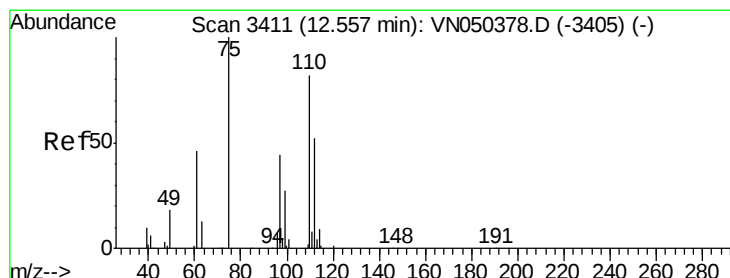
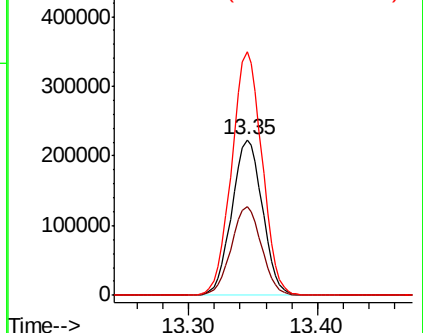
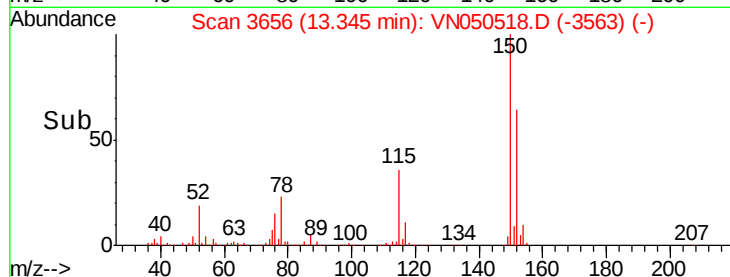
150 155.3 0.0 348.6



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: 31.26 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050518.D

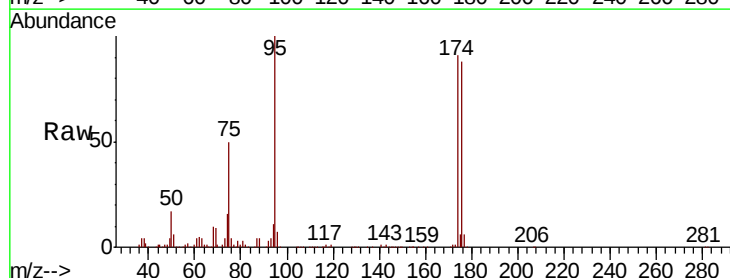
Acq: 10 Aug 2018 15:22

Tgt Ion: 75 Resp: 207974

Ion Ratio Lower Upper

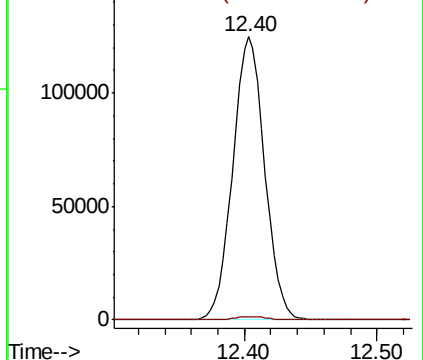
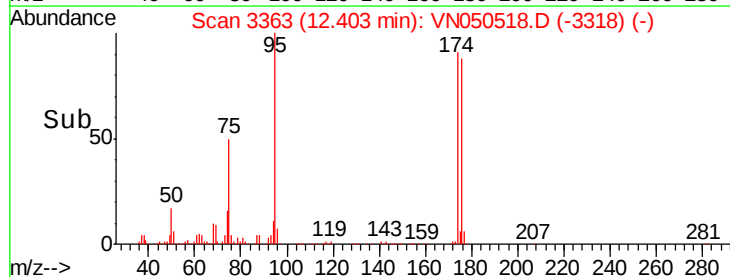
75 100

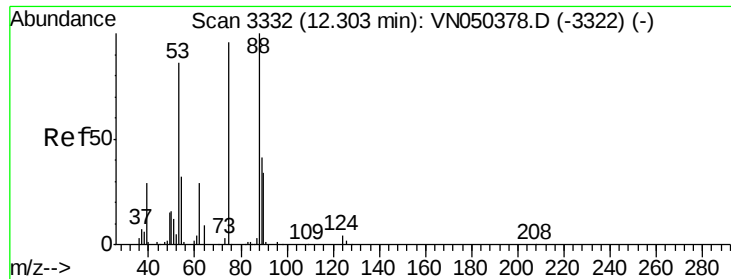
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 109.84 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050518.D

Acq: 10 Aug 2018 15:22

Instrument :

MSVOA_N

ClientSampleId :

MW-11

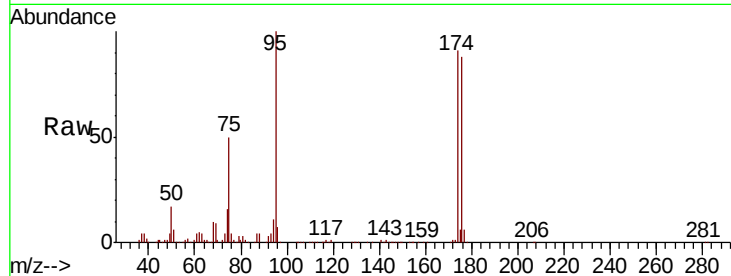
Tot Ion: 75 Resp: 207974

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

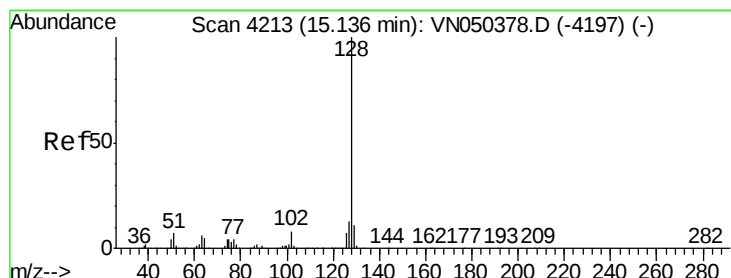
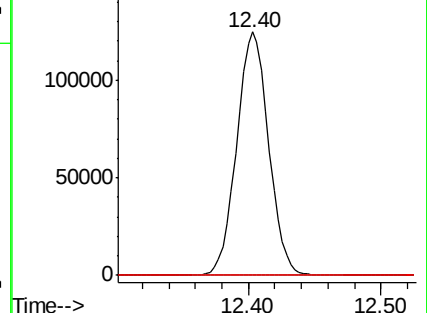
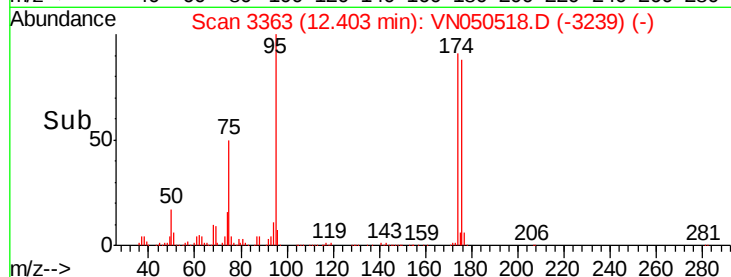
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#95

Naphthalene

Concen: 3.63 ug/l

RT: 15.13 min Scan# 4211

Delta R.T. -0.01 min

Lab File: VN050518.D

Acq: 10 Aug 2018 15:22

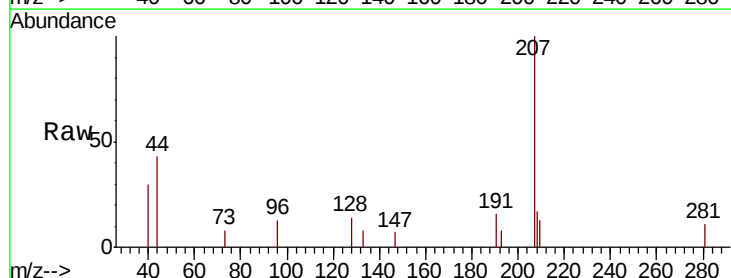
Tgt Ion: 128 Resp: 271

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.8 13.2#



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

