

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020419\
 Data File : VN053597.D
 Acq On : 4 Feb 2019 15:30
 Operator : JC/SP
 Sample : K1299-07
 Misc : 5.05g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 0040-AMND-COMP-3

Quant Time: Feb 05 01:27:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	777739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1228100	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1120076	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	507627	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	382948	49.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.16%	
35) Dibromofluoromethane	7.59	113	363763	46.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.76%	
50) Toluene-d8	10.09	98	1480487	50.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.40	95	507935	52.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.54%	

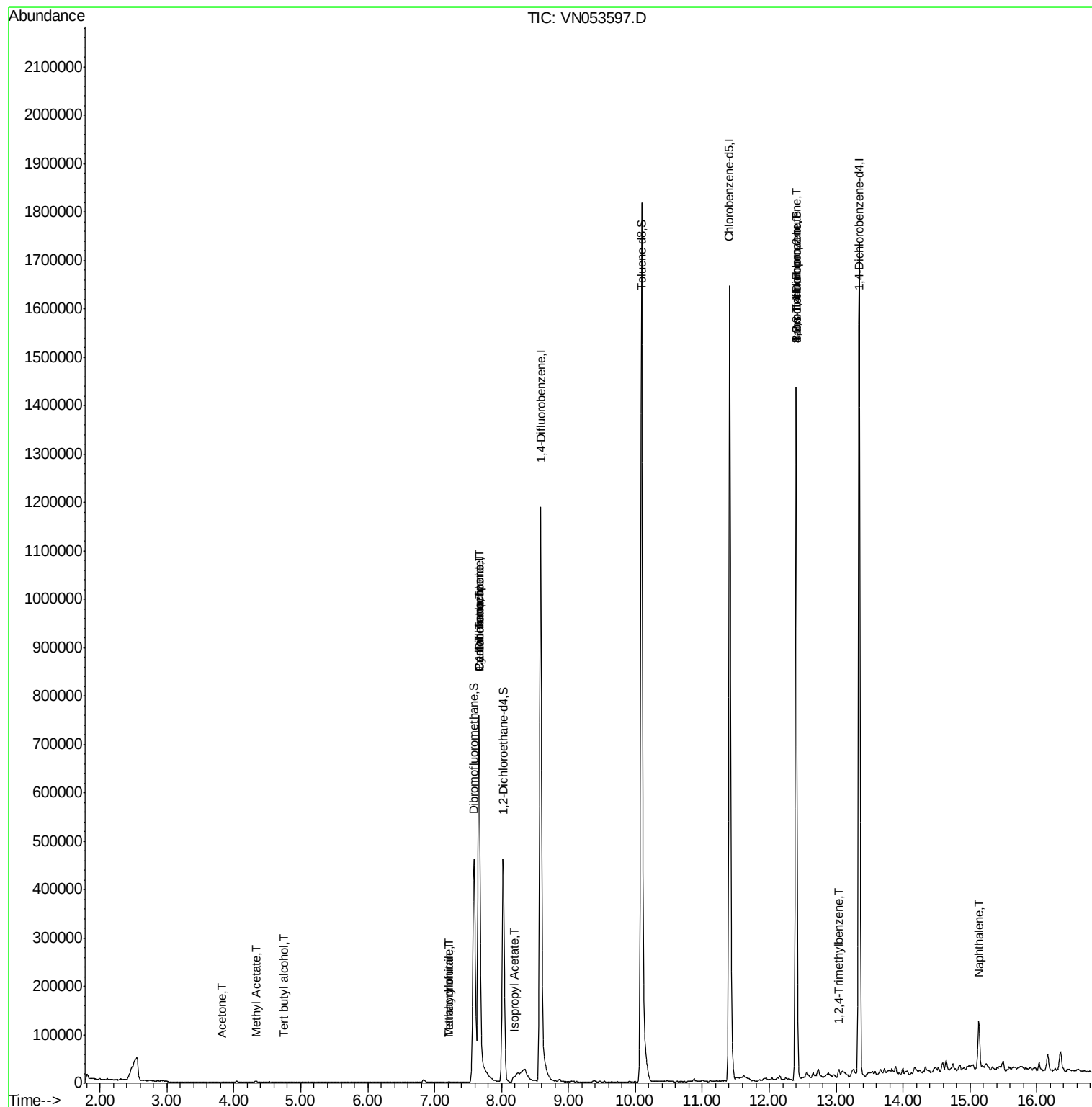
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.76	59	425	0.920	ug/l #	72
16) Acetone	3.82	43	938	0.469	ug/l #	85
18) Methyl Acetate	4.33	43	3081	0.520	ug/l	96
29) Tetrahydrofuran	7.22	42	1553	0.847	ug/l #	84
31) Cyclohexane	7.66	56	10786	0.650	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	45077	4.072	ug/l #	48
38) Carbon Tetrachloride	7.66	117	61500	5.515	ug/l #	15
41) Methacrylonitrile	7.21	41	778	0.225	ug/l #	20
43) Isopropyl Acetate	8.18	43	6199	0.519	ug/l #	51
71) Bromoform	12.40	173	3336	0.586	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	236928	36.338	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	236928	102.179	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	9723	0.323	ug/l	92
95) Naphthalene	15.14	128	88701	5.576	ug/l	98

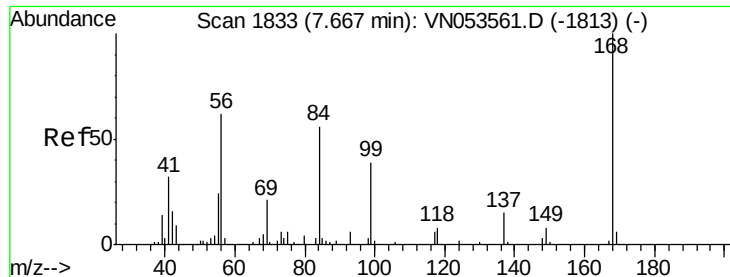
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053597.D

Acq: 4 Feb 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

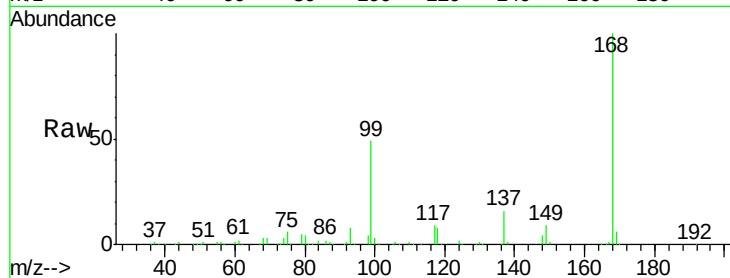
0040-AMND-COMP-3

Tot Ion:168 Resp: 777739

Ion Ratio Lower Upper

168 100

99 49.0 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

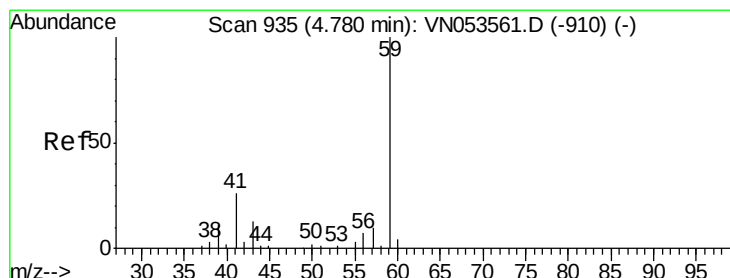
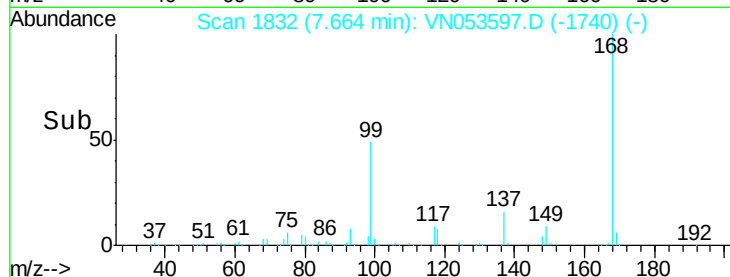
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.920 ug/l

RT: 4.76 min Scan# 928

Delta R.T. -0.02 min

Lab File: VN053597.D

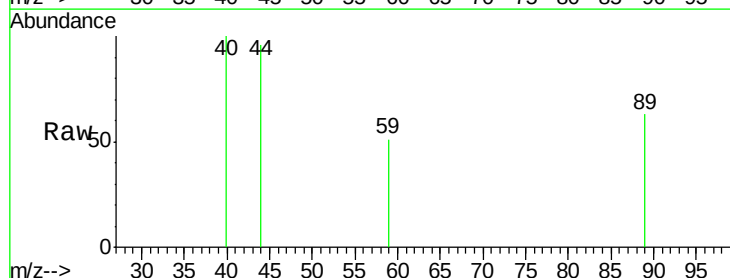
Acq: 4 Feb 2019 15:30

Tgt Ion: 59 Resp: 425

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.76

400

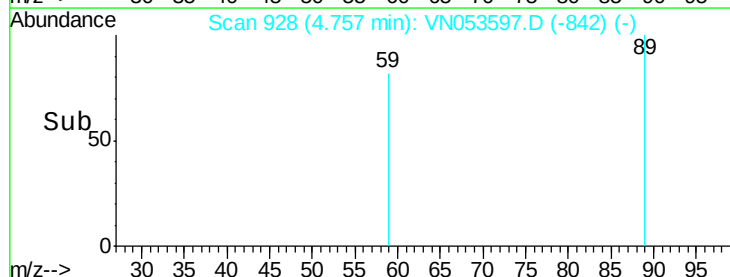
300

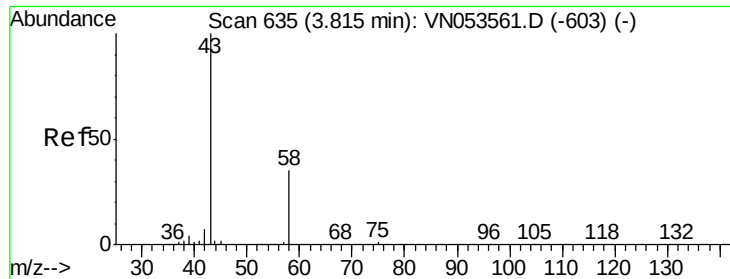
200

100

0

Time-->





#16

Acetone

Concen: 0.469 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053597.D

Acq: 4 Feb 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

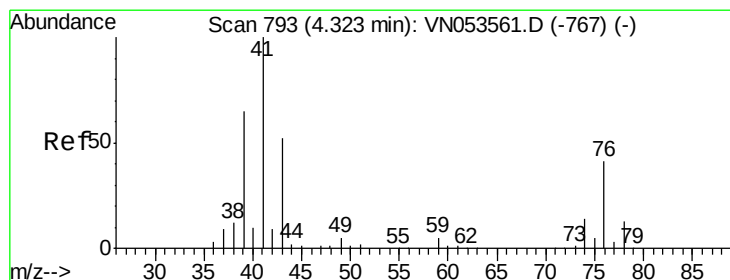
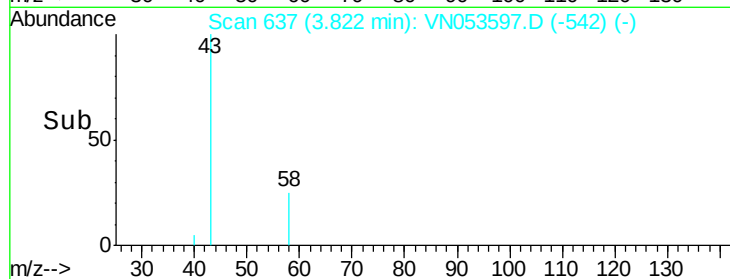
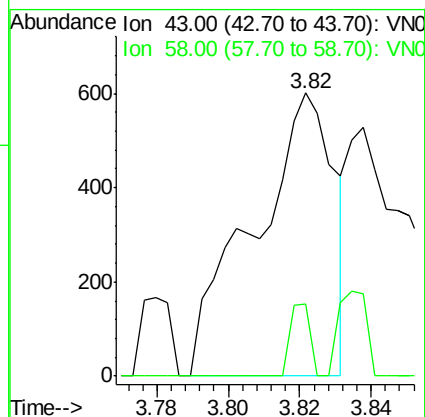
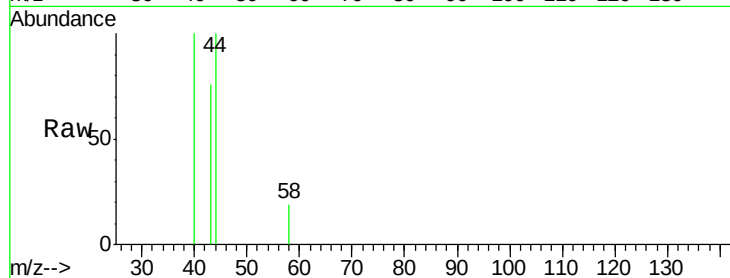
0040-AMND-COMP-3

Tot Ion: 43 Resp: 938

Ion Ratio Lower Upper

43 100

58 25.3 27.1 40.7#



#18

Methyl Acetate

Concen: 0.520 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN053597.D

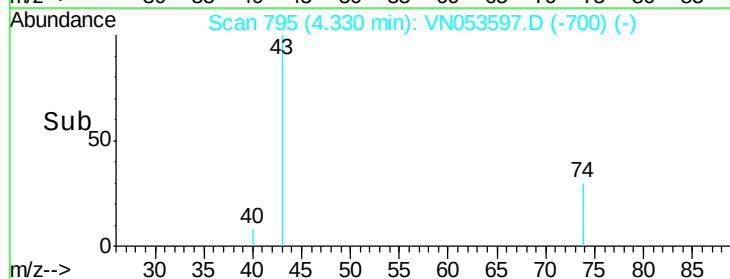
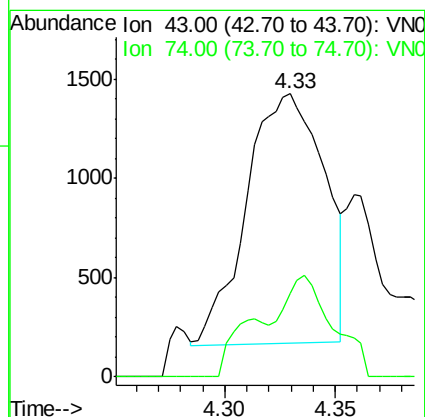
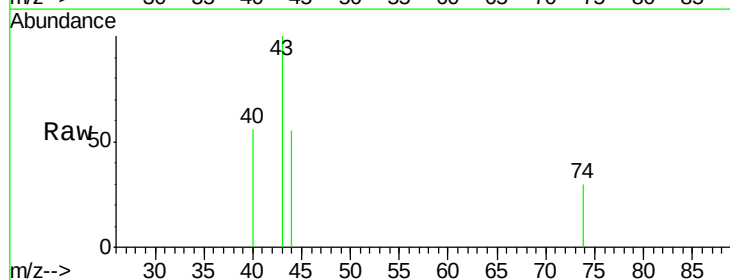
Acq: 4 Feb 2019 15:30

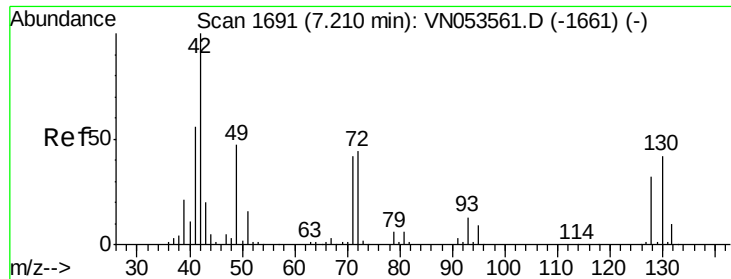
Tgt Ion: 43 Resp: 3081

Ion Ratio Lower Upper

43 100

74 26.3 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.847 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN053597.D

Acq: 4 Feb 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

0040-AMND-COMP-3

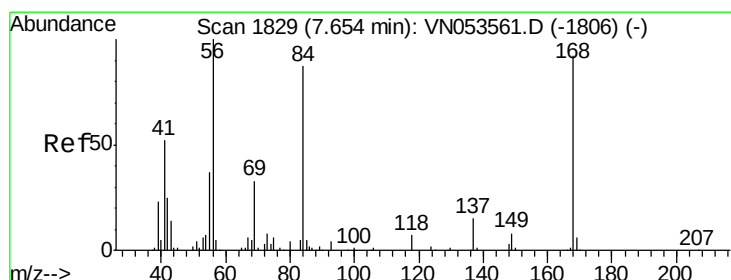
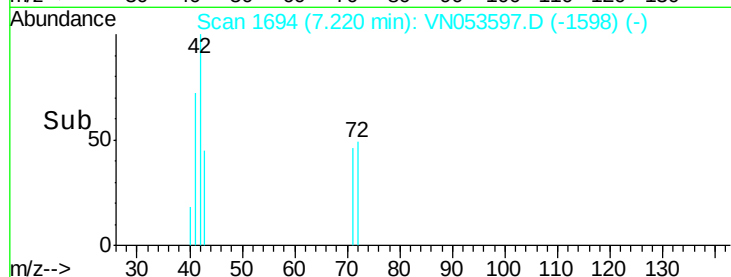
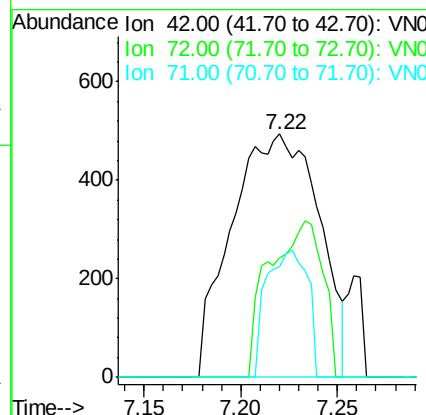
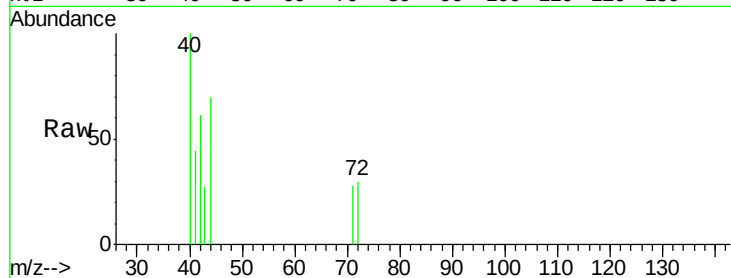
Tot Ion: 42 Resp: 1553

Ion Ratio Lower Upper

42 100

72 39.5 35.2 52.8

71 24.5 33.0 49.4#



#31

Cyclohexane

Concen: 0.650 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN053597.D

Acq: 4 Feb 2019 15:30

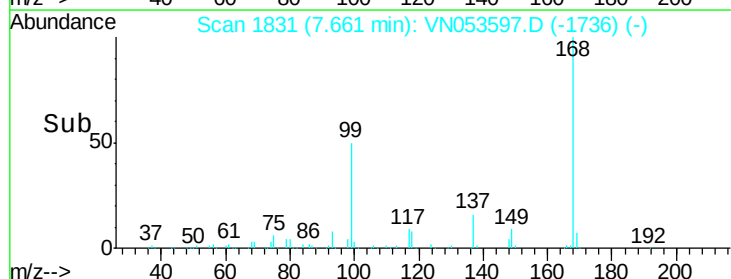
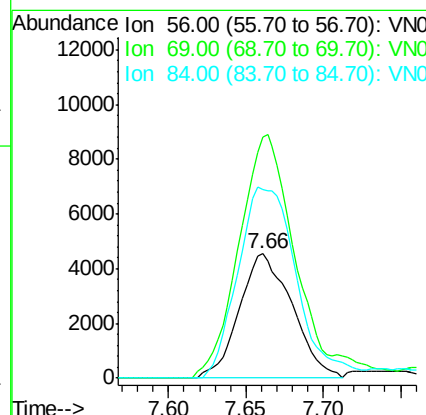
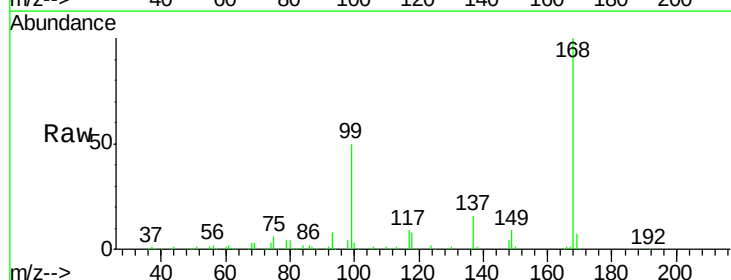
Tgt Ion: 56 Resp: 10786

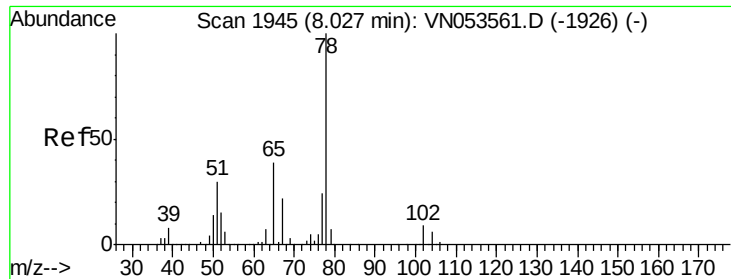
Ion Ratio Lower Upper

56 100

69 193.7 26.4 39.6#

84 151.4 67.9 101.9#

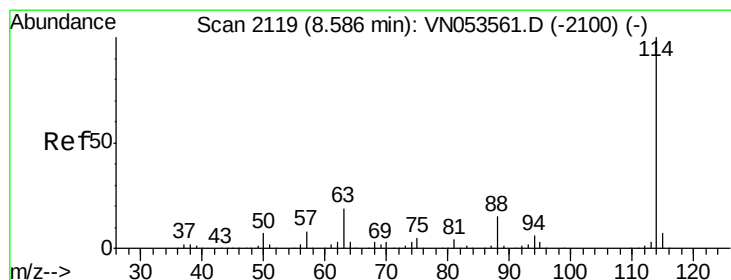
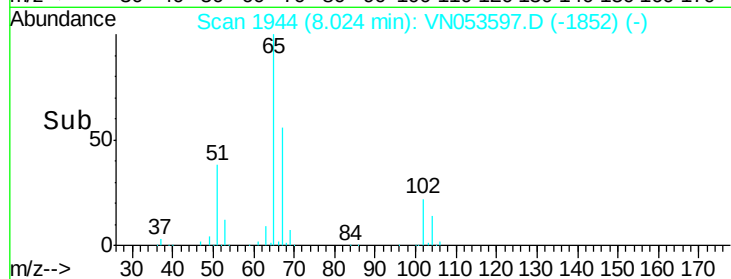
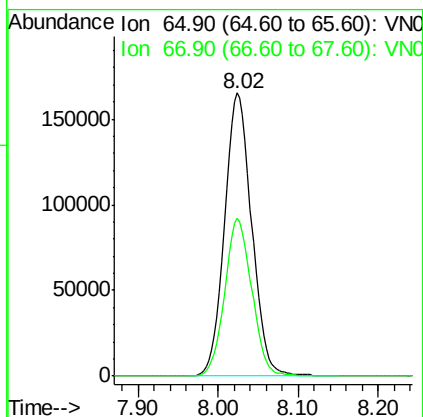
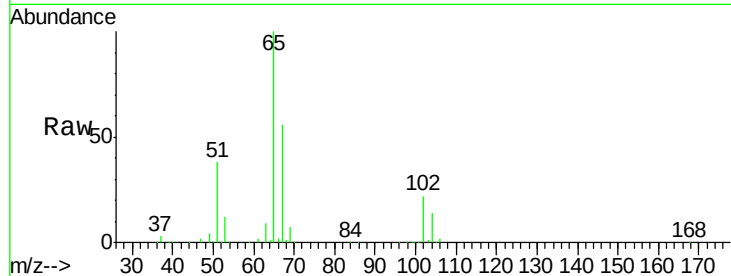




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053597.D
 Acq: 4 Feb 2019 15:30

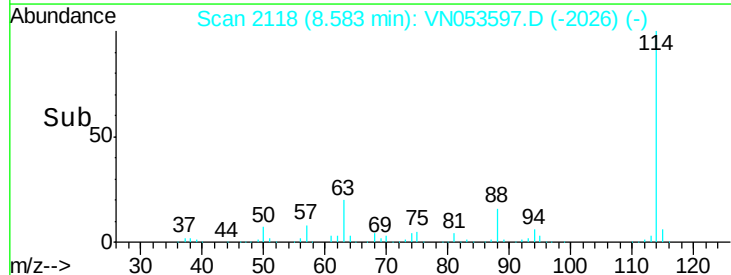
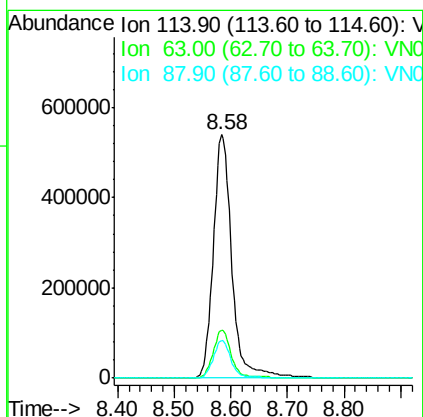
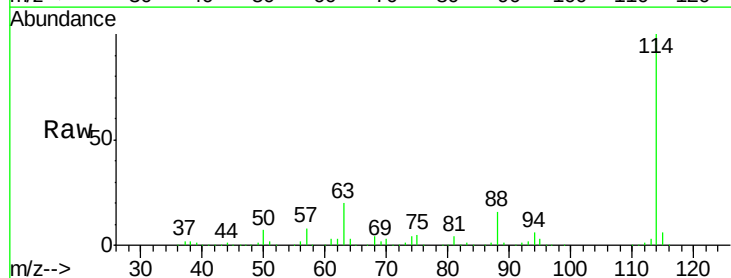
Instrument :
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 0040-AMND-COMP-3

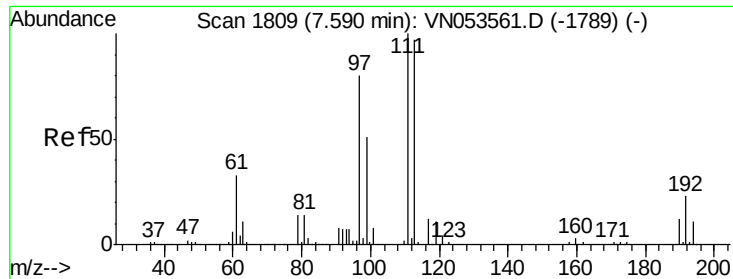
Tot Ion: 65 Resp: 382948
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053597.D
 Acq: 4 Feb 2019 15:30

Tgt Ion: 114 Resp: 1228100
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.6
 88 15.6 0.0 30.4

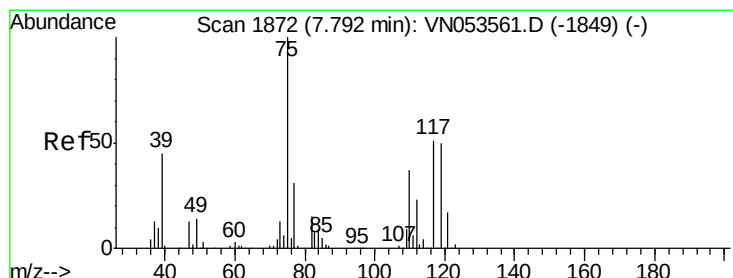
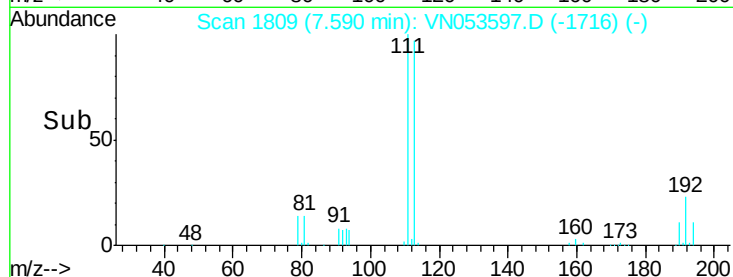
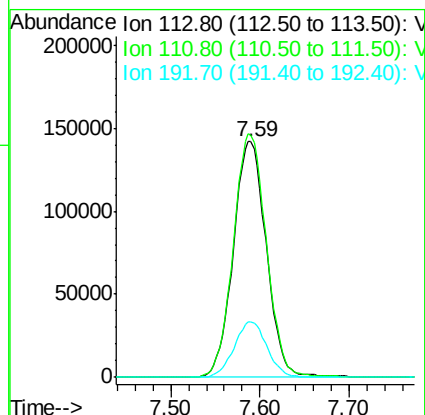
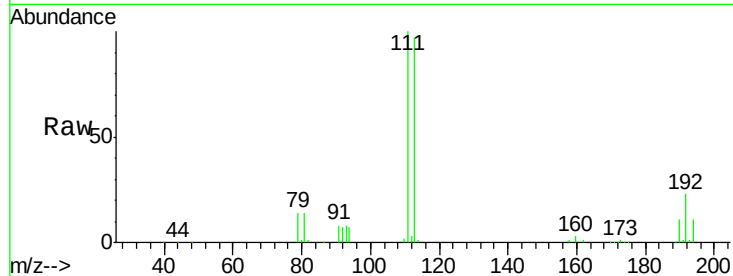




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053597.D
 Acq: 4 Feb 2019 15:30

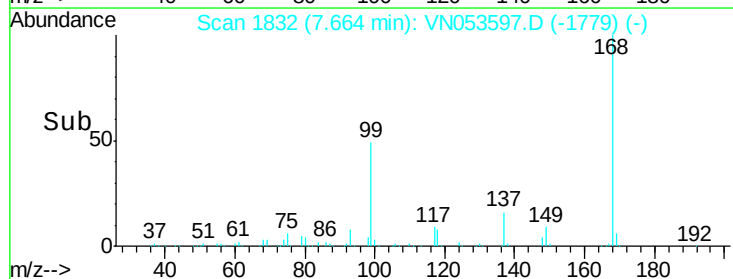
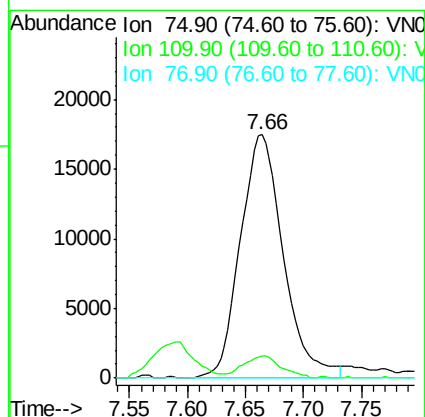
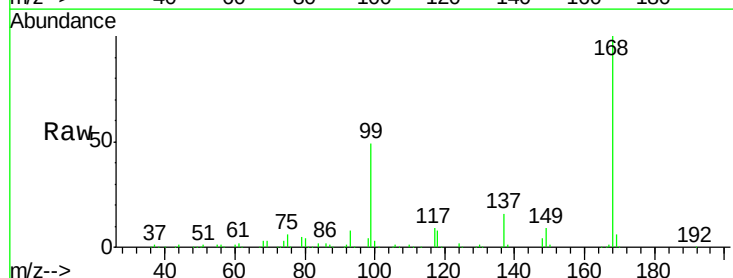
Instrument :
 MSVOA_N
 ClientSampleId :
 0040-AMND-COMP-3

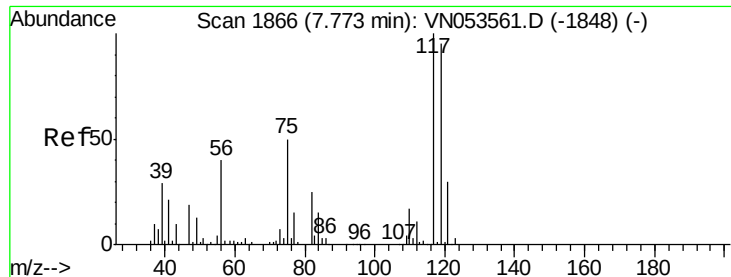
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.1	121.7
192	23.5	18.2	27.2



#36
 1,1-Dichloropropene
 Concen: 4.072 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053597.D
 Acq: 4 Feb 2019 15:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	18.1	54.3#
77	0.0	25.1	37.7#

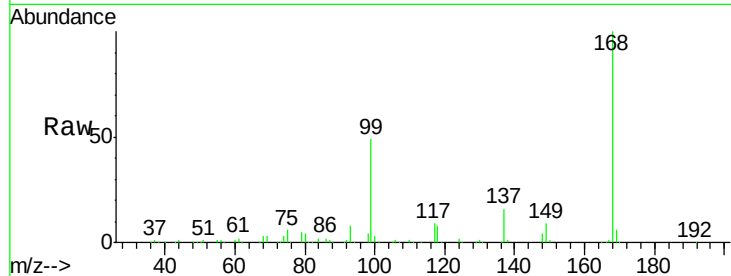




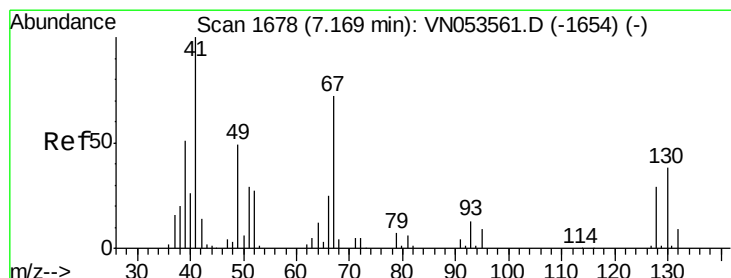
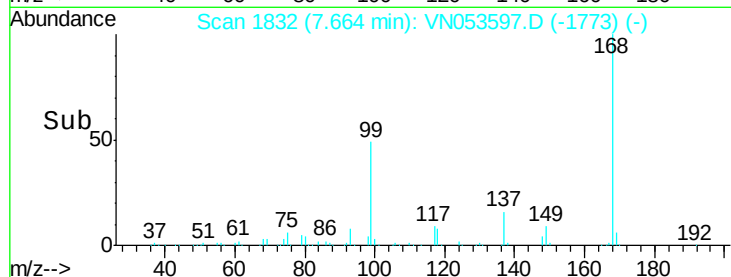
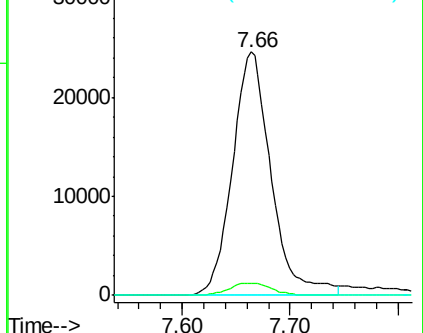
#38
Carbon Tetrachloride
Concen: 5.515 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN053597.D
Acq: 4 Feb 2019 15:30

Instrument :
MSVOA_N
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0040-AMND-COMP-3

Tot Ion:117 Resp: 61500
Ion Ratio Lower Upper
117 100
119 4.8 77.2 115.8#
121 0.0 24.6 37.0#

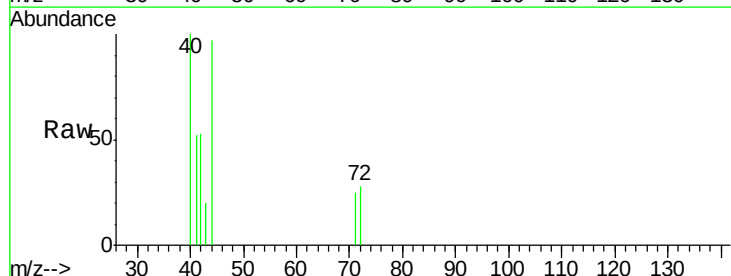


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

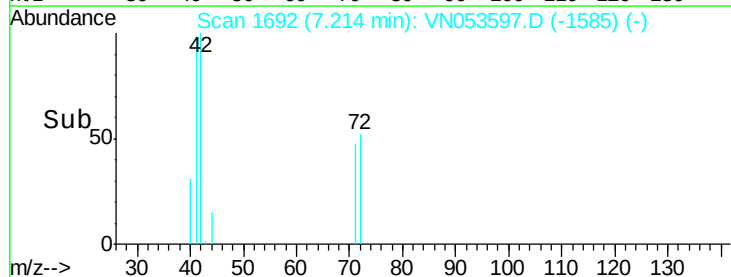
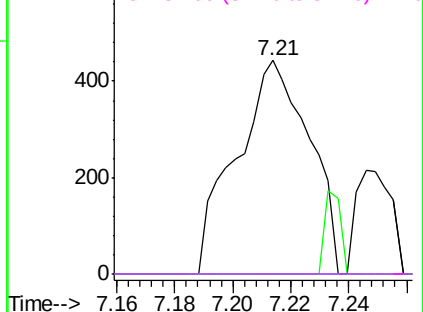


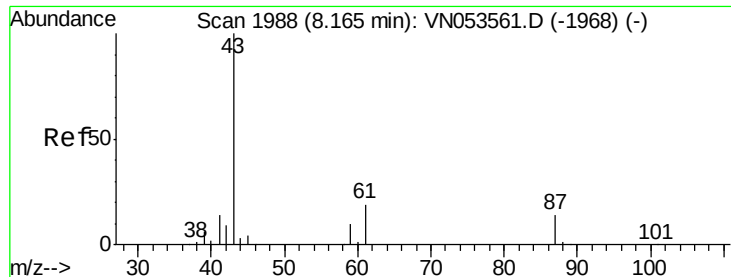
#41
Methacrylonitrile
Concen: 0.225 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.05 min
Lab File: VN053597.D
Acq: 4 Feb 2019 15:30

Tgt Ion: 41 Resp: 778
Ion Ratio Lower Upper
41 100
39 0.0 46.8 70.2#
67 0.0 63.0 94.6#
52 0.0 23.8 35.8#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO





#43

Isopropyl Acetate

Concen: 0.519 ug/l

RT: 8.18 min Scan# 1992

Delta R.T. 0.01 min

Lab File: VN053597.D

Acq: 4 Feb 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

0040-AMND-COMP-3

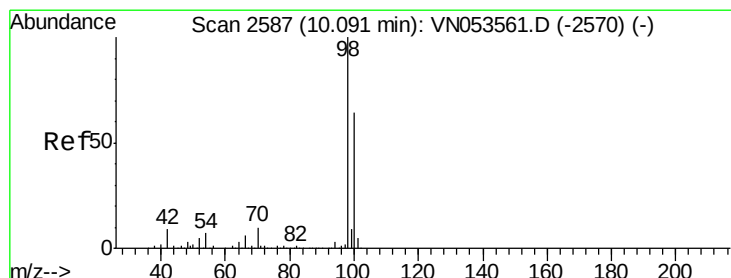
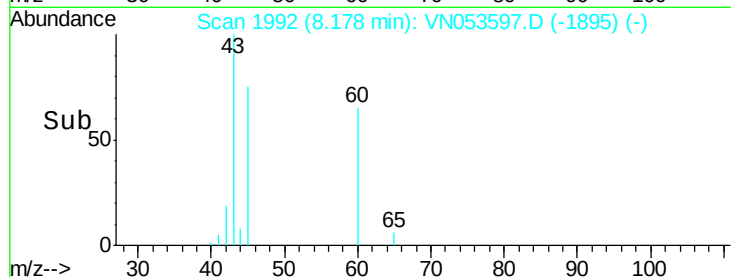
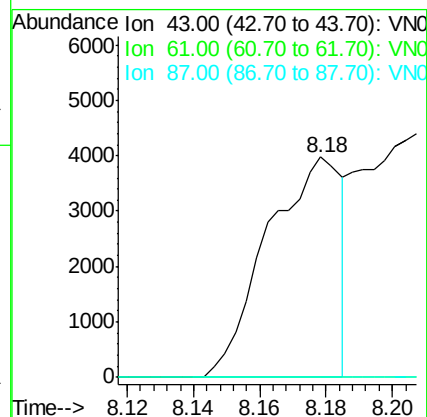
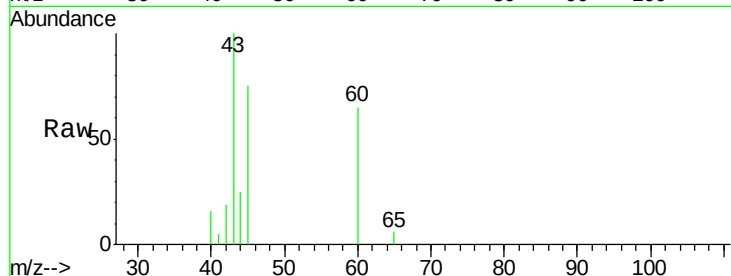
Tot Ion: 43 Resp: 6199

Ion Ratio Lower Upper

43 100

61 0.0 23.9 35.9#

87 0.0 11.0 16.6#



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053597.D

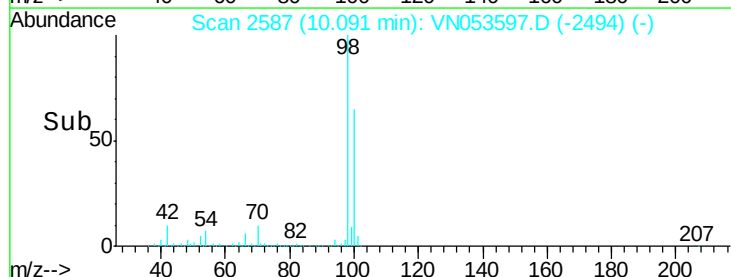
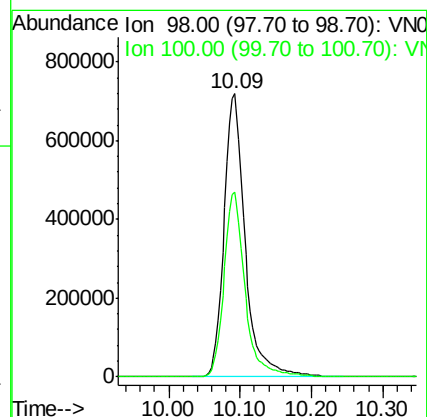
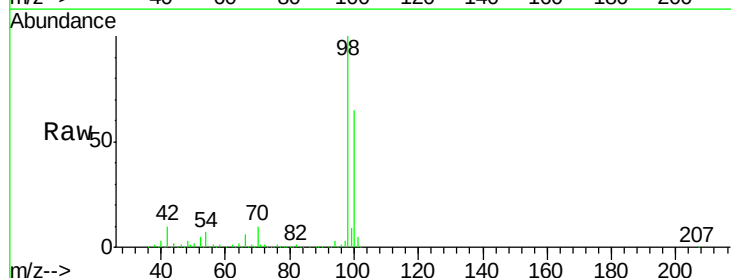
Acq: 4 Feb 2019 15:30

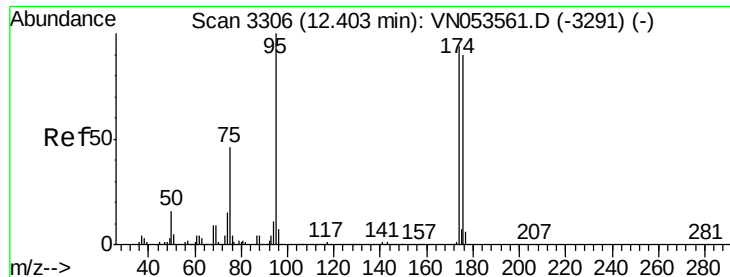
Tgt Ion: 98 Resp: 1480487

Ion Ratio Lower Upper

98 100

100 65.0 51.4 77.0





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053597.D

Acq: 4 Feb 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

0040-AMND-COMP-3

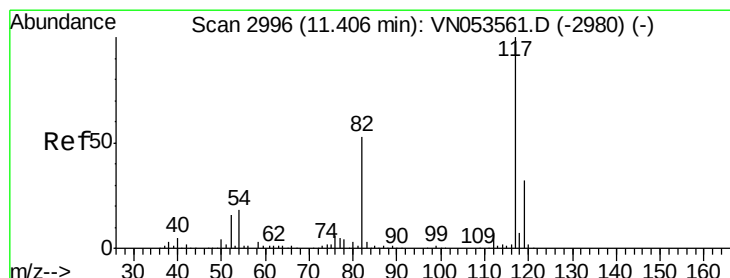
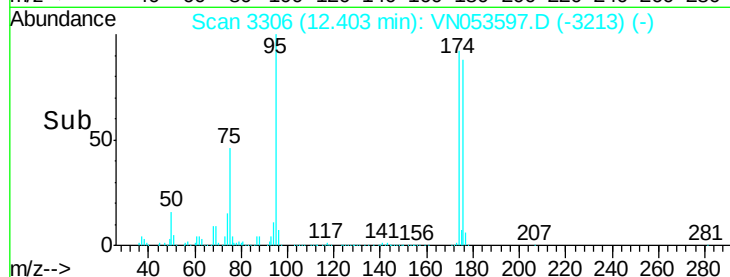
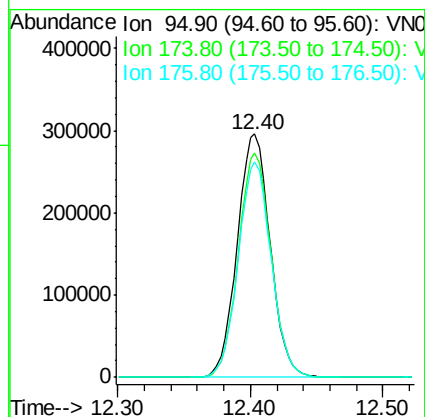
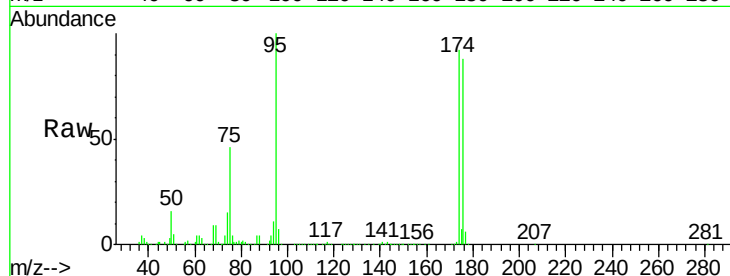
Tot Ion: 95 Resp: 507935

Ion Ratio Lower Upper

95 100

174 92.3 0.0 183.2

176 88.8 0.0 177.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053597.D

Acq: 4 Feb 2019 15:30

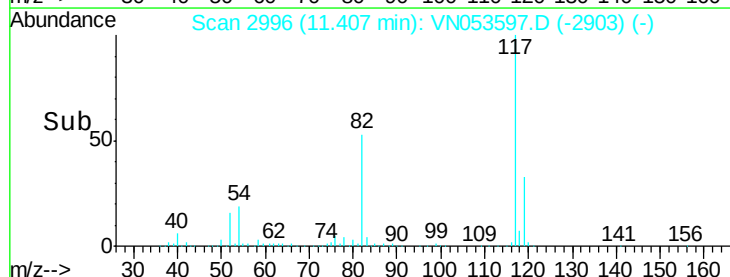
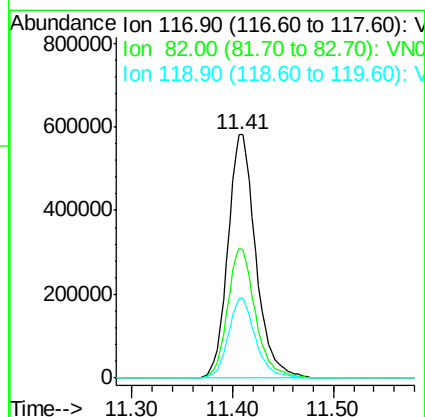
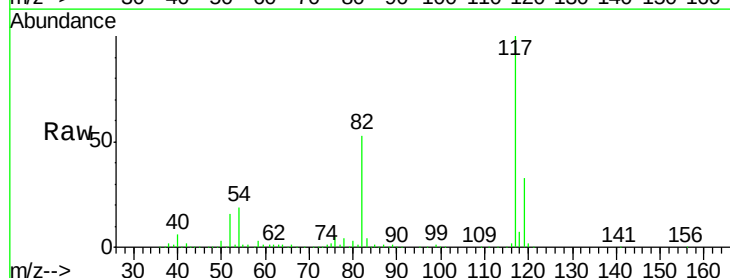
Tgt Ion: 117 Resp: 1120076

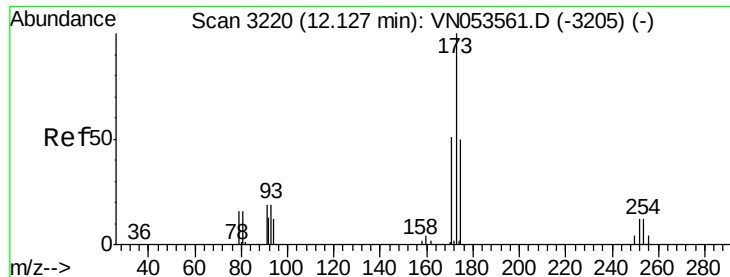
Ion Ratio Lower Upper

117 100

82 53.4 42.9 64.3

119 32.7 26.0 39.0





#71

Bromoform

Concen: 0.586 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053597.D

Acq: 4 Feb 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

0040-AMND-COMP-3

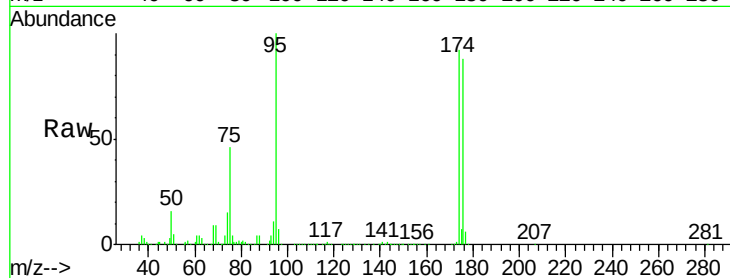
Tot Ion:173 Resp: 3336

Ion Ratio Lower Upper

173 100

175 851.4 24.6 74.0#

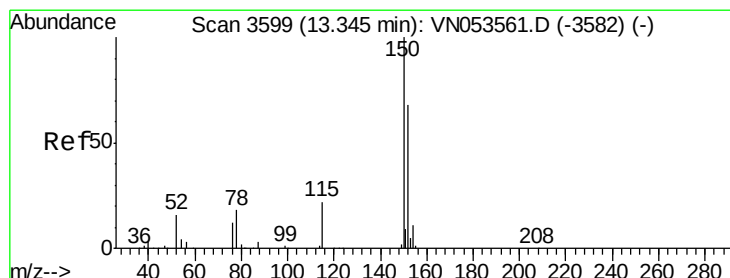
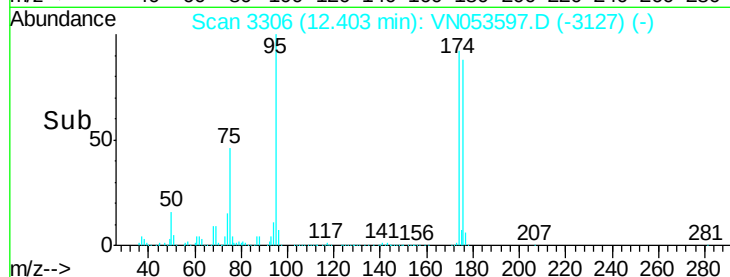
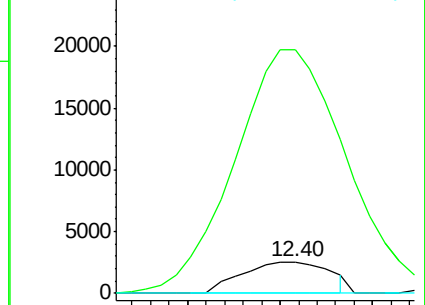
254 0.0 0.2 0.2#



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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053597.D

Acq: 4 Feb 2019 15:30

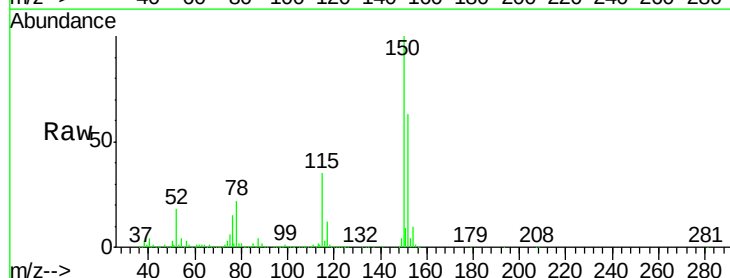
Tgt Ion:152 Resp: 507627

Ion Ratio Lower Upper

152 100

115 56.2 27.8 83.4

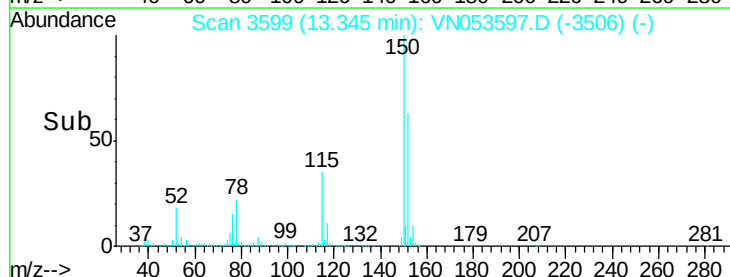
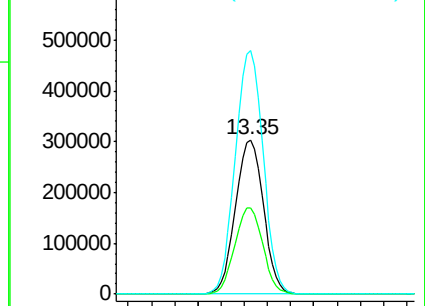
150 157.8 0.0 349.0

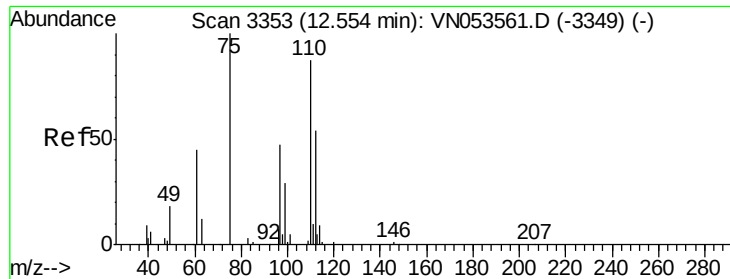


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 36.338 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053597.D

Acq: 4 Feb 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

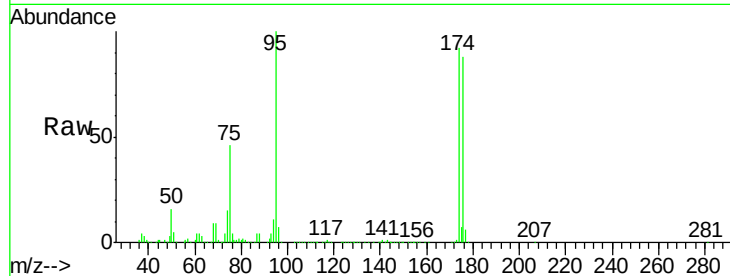
0040-AMND-COMP-3

Tot Ion: 75 Resp: 236928

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.40

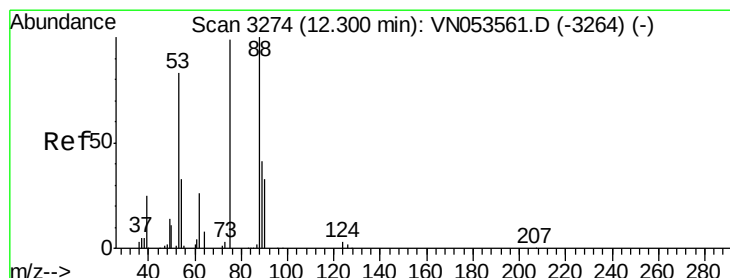
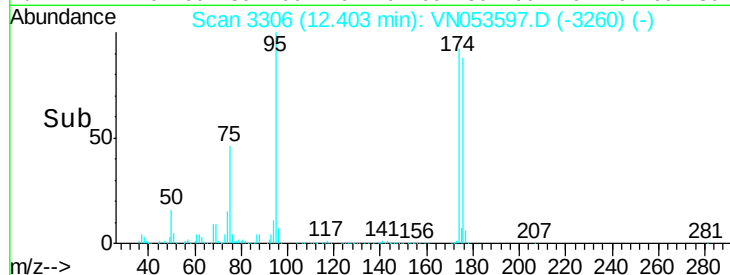
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 102.179 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053597.D

Acq: 4 Feb 2019 15:30

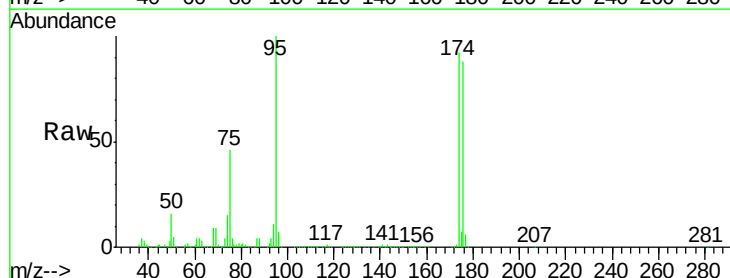
Tgt Ion: 75 Resp: 236928

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

12.40

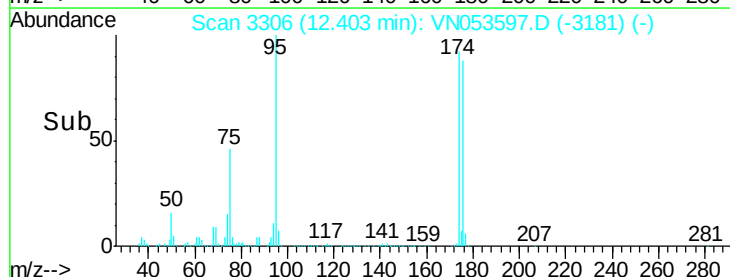
150000

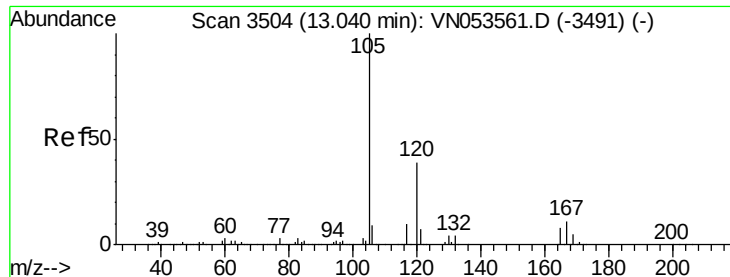
100000

50000

0

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 0.323 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053597.D

Acq: 4 Feb 2019 15:30

Instrument :

MSVOA_N

ClientSampleId :

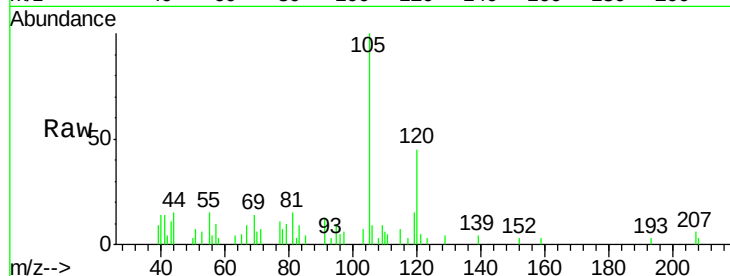
0040-AMND-COMP-3

Tot Ion:105 Resp: 9723

Ion Ratio Lower Upper

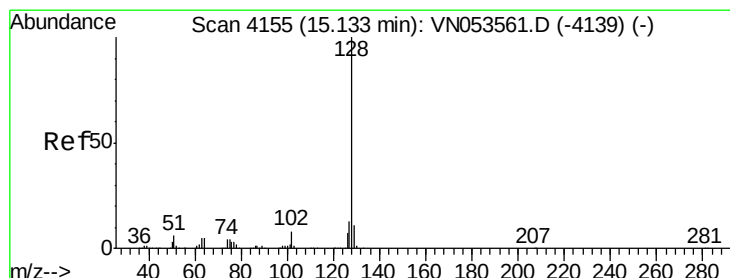
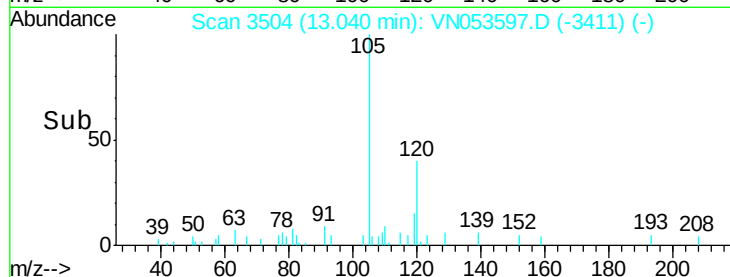
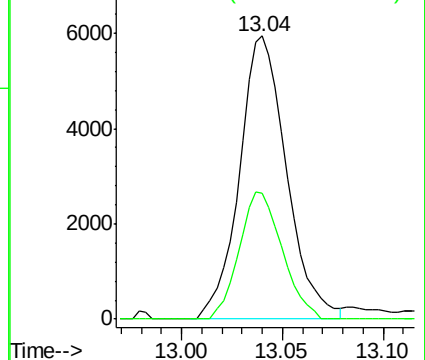
105 100

120 41.0 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 5.576 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053597.D

Acq: 4 Feb 2019 15:30

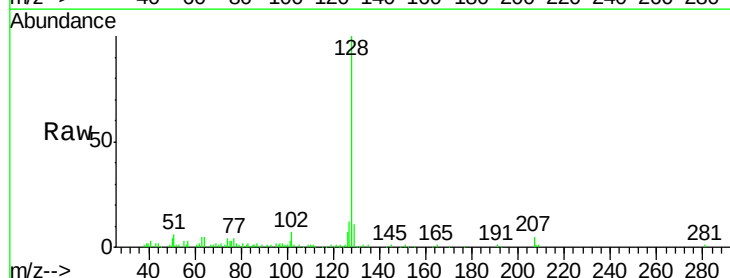
Tgt Ion:128 Resp: 88701

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 11.9 8.6 13.0



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

