

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061319\
 Data File : VN056288.D
 Acq On : 13 Jun 2019 17:54
 Operator : JC/SP
 Sample : K3345-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 14 01:14:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	339592	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	561265	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	544888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	156049	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	191394	56.76	ug/l	0.00
Spiked Amount			Recovery	=	113.52%	
35) Dibromofluoromethane	7.59	113	173501	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
50) Toluene-d8	10.09	98	688031	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	
62) 4-Bromofluorobenzene	12.40	95	213715	47.43	ug/l	0.00
Spiked Amount			Recovery	=	94.86%	

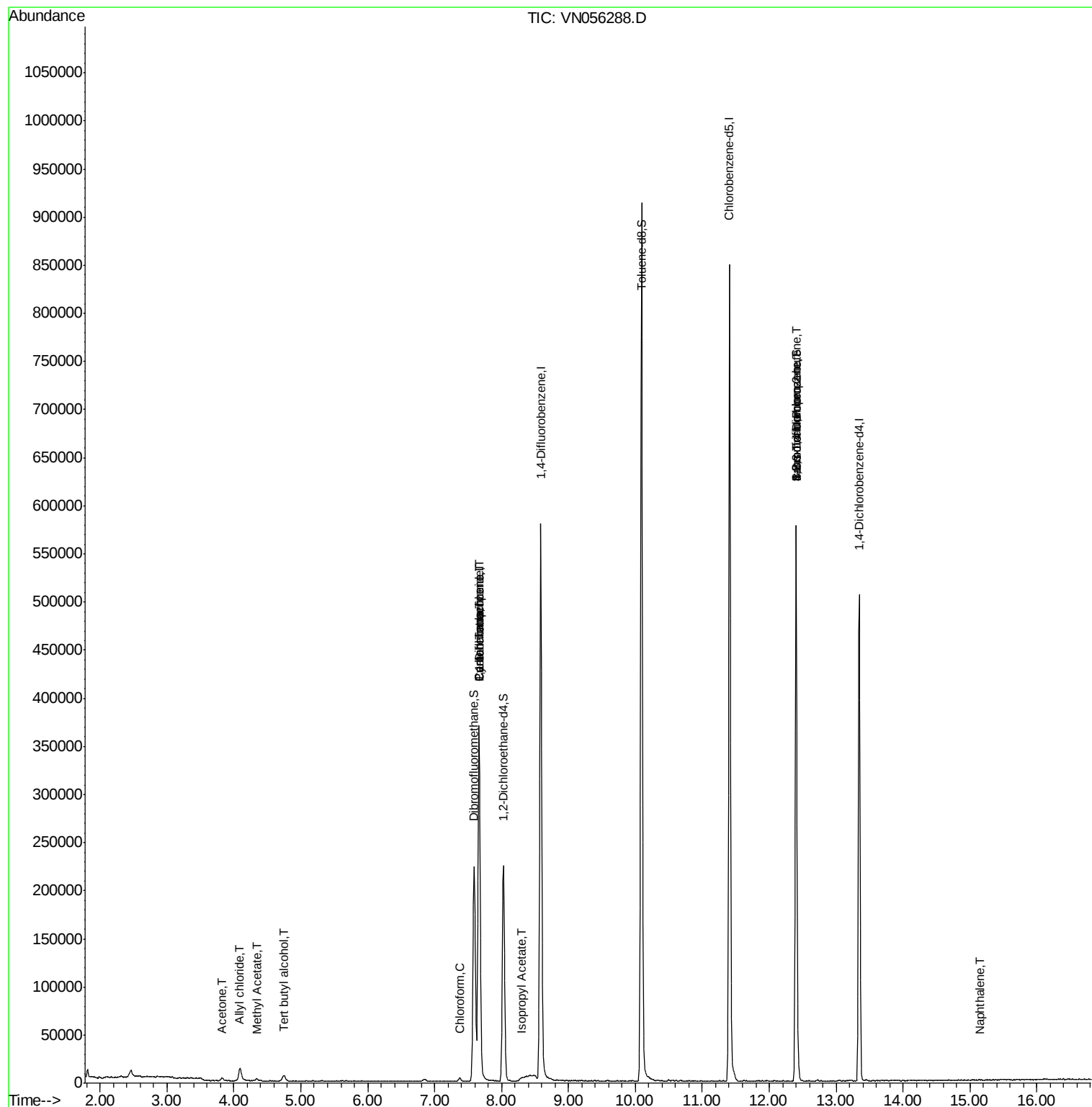
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.75	59	5910	10.072	ug/l #	74
14) Allyl chloride	4.10	41	2391	0.531	ug/l #	66
16) Acetone	3.82	43	6097	3.781	ug/l	90
18) Methyl Acetate	4.34	43	4164	0.745	ug/l #	83
30) Chloroform	7.37	83	4048	0.750	ug/l	94
31) Cyclohexane	7.66	56	5592	1.045	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	21124	4.377	ug/l #	47
38) Carbon Tetrachloride	7.66	117	29046	6.528	ug/l #	15
43) Isopropyl Acetate	8.29	43	2444	0.351	ug/l #	53
71) Bromoform	12.40	173	1314	3.137	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	100322	34.939	ug/l #	100
79) 2-Chlorotoluene	12.59	91	160	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	100322	116.353	ug/l #	15
95) Naphthalene	15.14	128	343	3.894	ug/l #	69

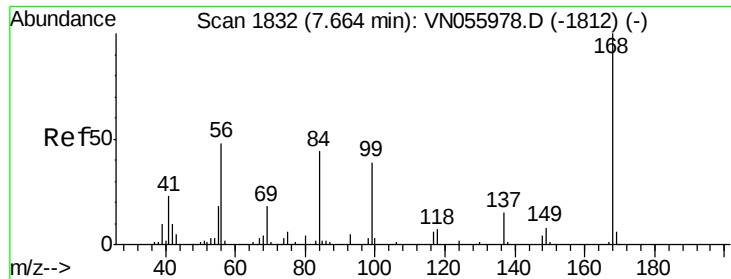
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN056288.D

Acq: 13 Jun 2019 17:54

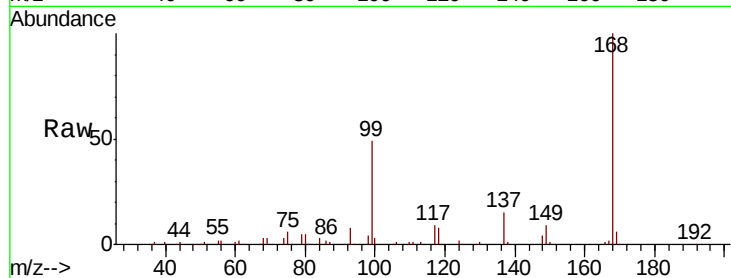
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 339592

Ion Ratio Lower Upper

168 100

99 49.3 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

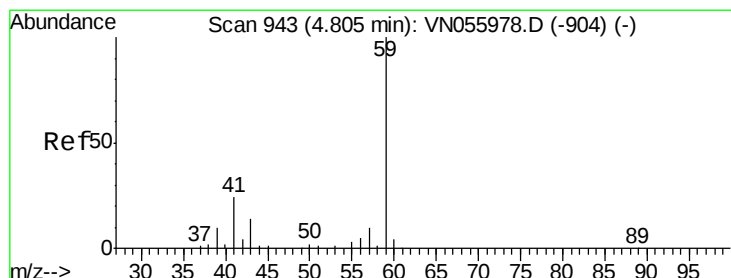
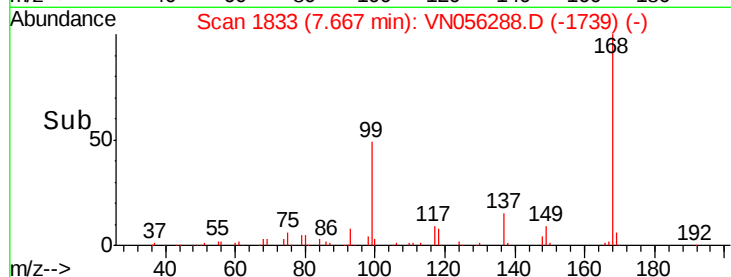
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 10.072 ug/l

RT: 4.75 min Scan# 925

Delta R.T. -0.06 min

Lab File: VN056288.D

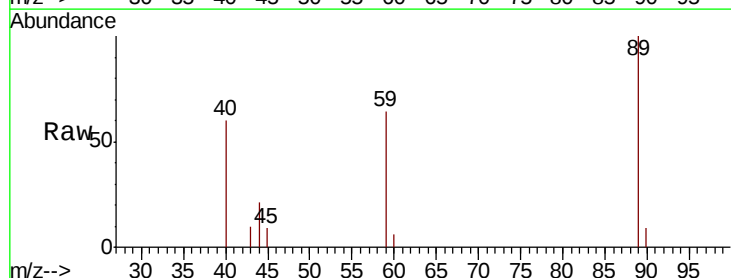
Acq: 13 Jun 2019 17:54

Tgt Ion: 59 Resp: 5910

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.75

2000

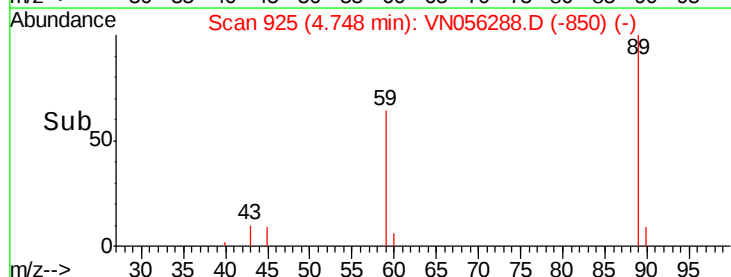
1500

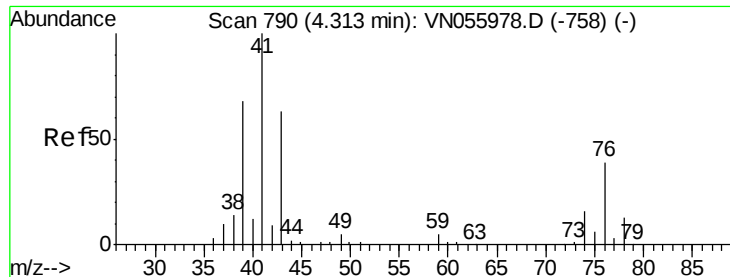
1000

500

0

Time-->





#14

Allvl chloride

Concen: 0.531 ug/l

RT: 4.10 min Scan# 723

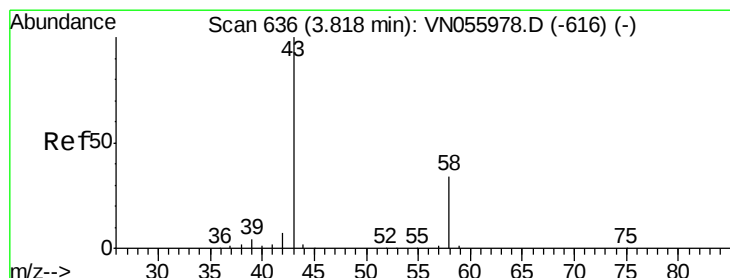
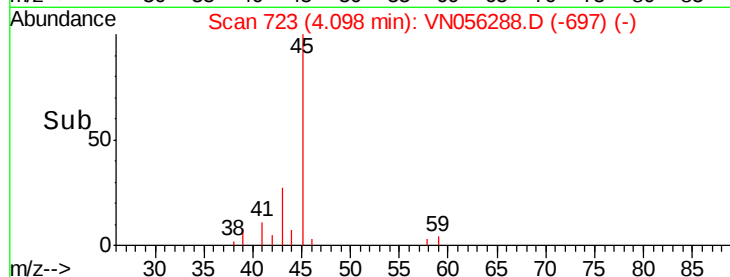
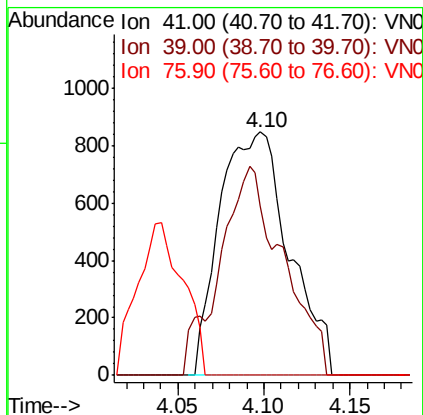
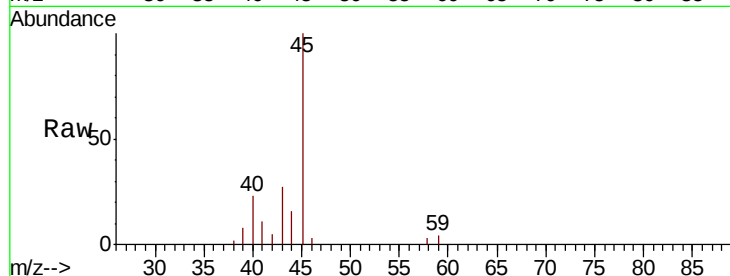
Delta R.T. -0.22 min

Lab File: VN056288.D

Acq: 13 Jun 2019 17:54

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	2391
Ion	Ratio	Lower	Upper
41	100		
39	77.5	50.0	75.0#
76	0.0	28.2	42.2#



#16

Acetone

Concen: 3.781 ug/l

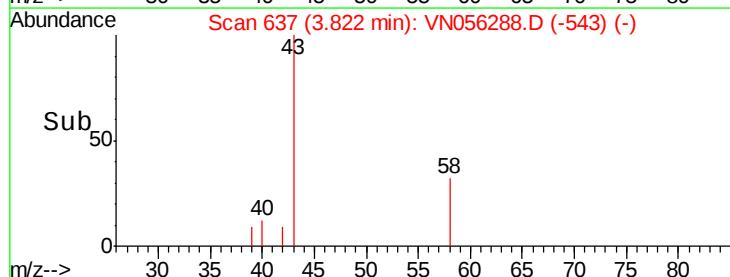
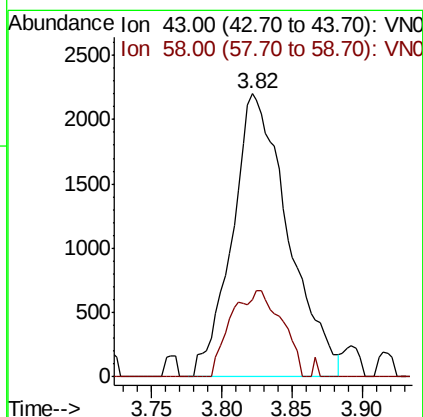
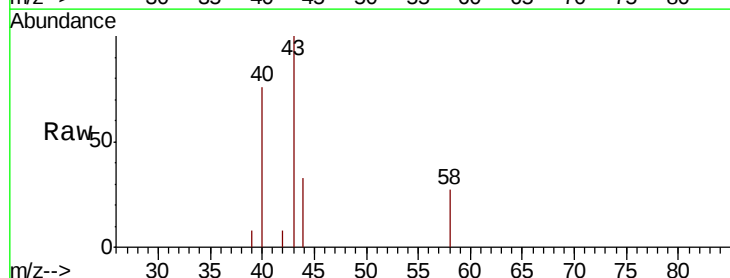
RT: 3.82 min Scan# 637

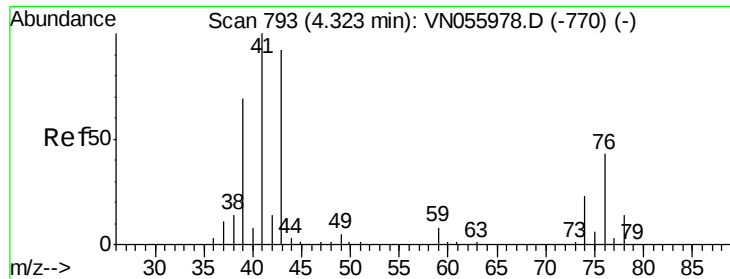
Delta R.T. 0.00 min

Lab File: VN056288.D

Acq: 13 Jun 2019 17:54

Tgt Ion:	43	Resp:	6097
Ion	Ratio	Lower	Upper
43	100		
58	27.3	26.6	39.8

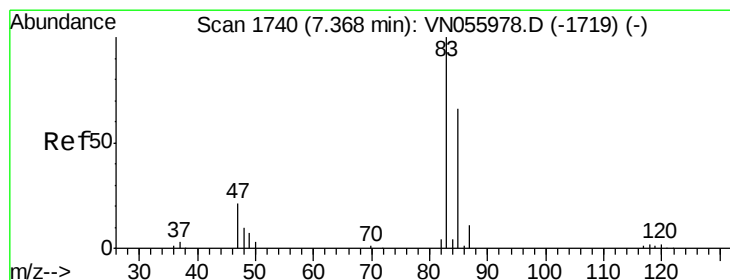
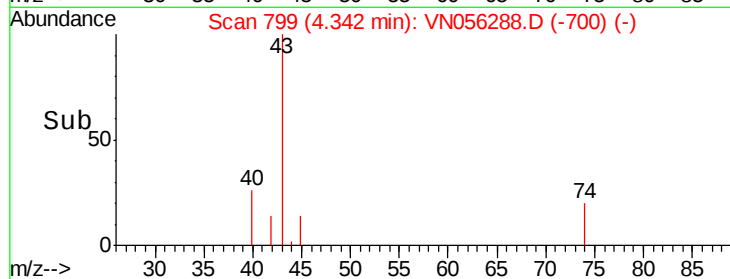
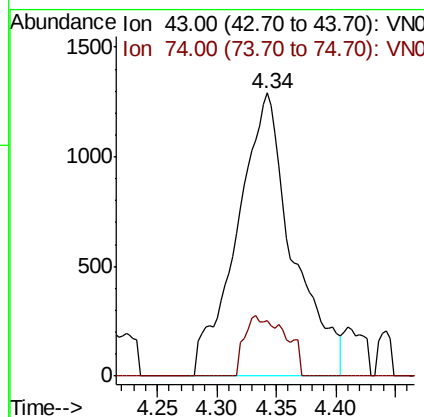
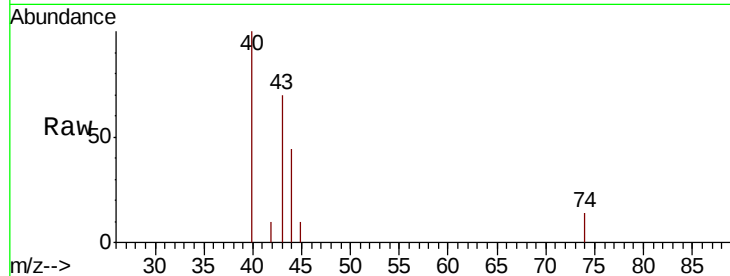




#18
Methvl Acetate
Concen: 0.745 ug/l
RT: 4.34 min Scan# 799
Delta R.T. 0.02 min
Lab File: VN056288.D
Acq: 13 Jun 2019 17:54

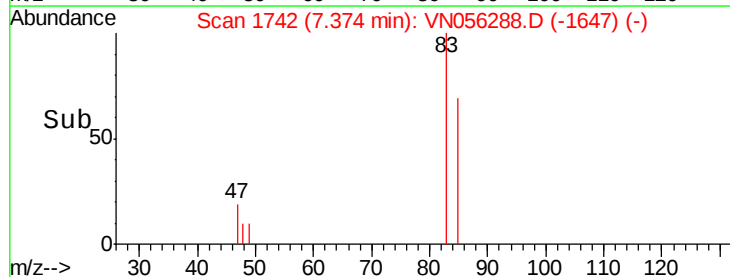
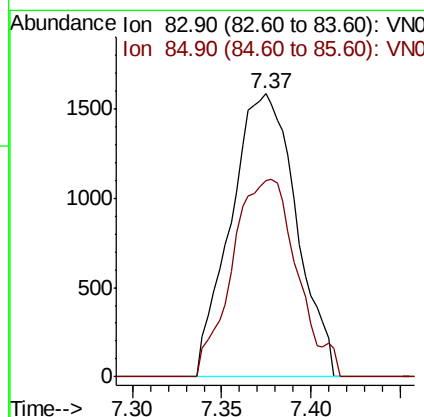
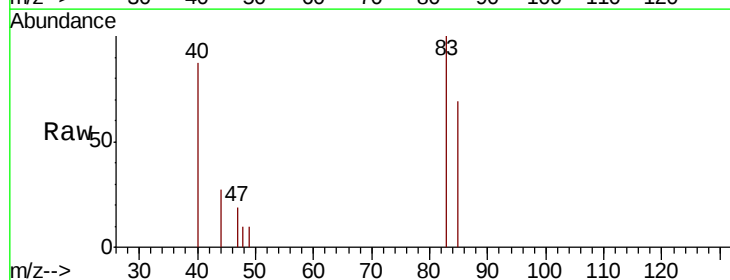
Instrument :
MSVOA_N
ClientSampled :

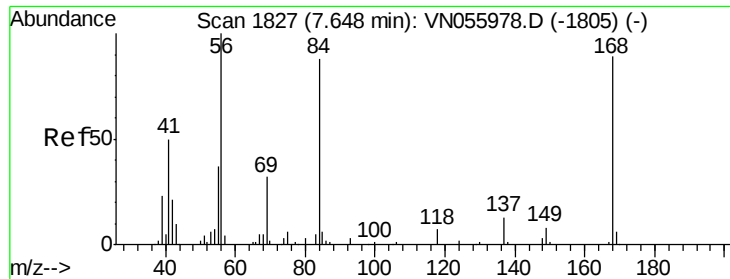
Tot Ion: 43 Resp: 4164
Ion Ratio Lower Upper
43 100
74 15.6 19.3 28.9#



#30
Chloroform
Concen: 0.750 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.01 min
Lab File: VN056288.D
Acq: 13 Jun 2019 17:54

Tgt Ion: 83 Resp: 4048
Ion Ratio Lower Upper
83 100
85 69.3 51.8 77.8

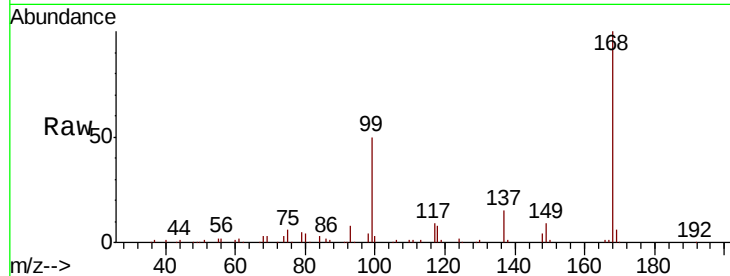




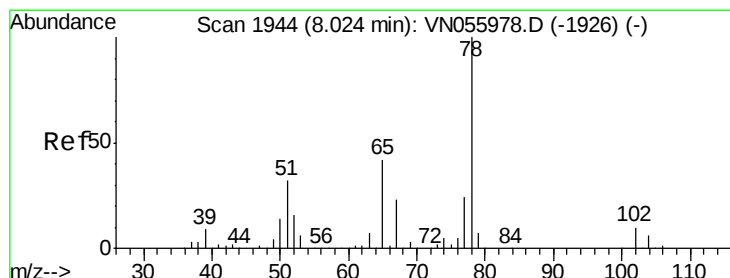
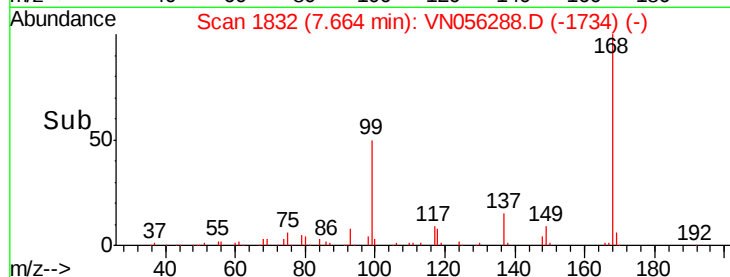
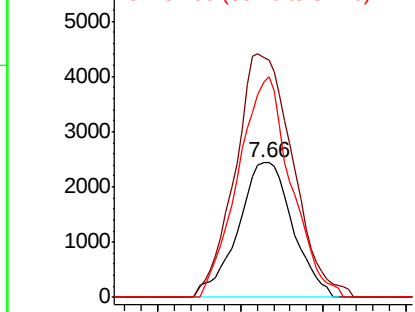
#31
Cyclohexane
Concen: 1.045 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN056288.D
Acq: 13 Jun 2019 17:54

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 5592
Ion Ratio Lower Upper
56 100
69 178.1 25.6 38.4#
84 160.0 67.4 101.0#

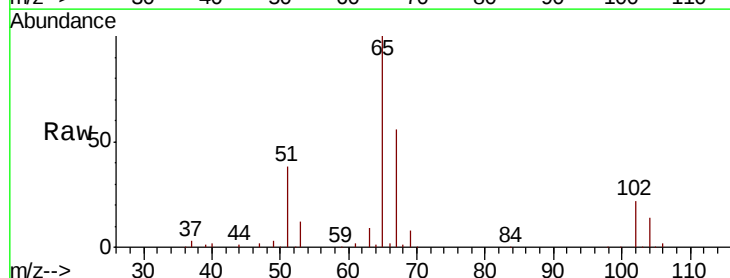


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

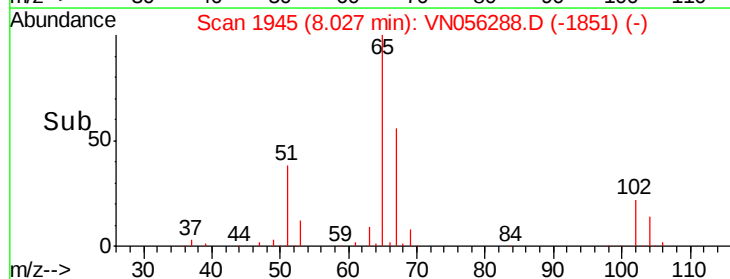
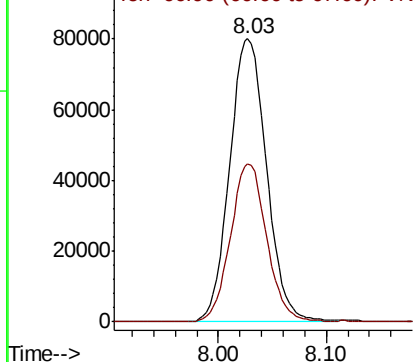


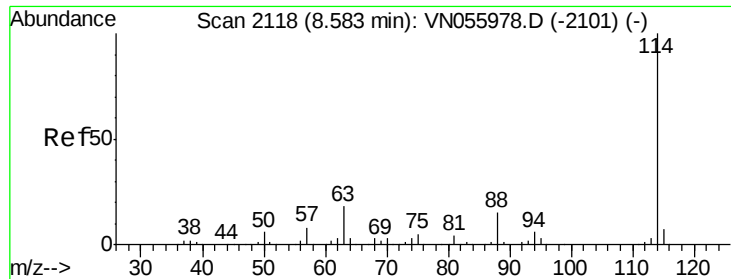
#33
1,2-Dichloroethane-d4
Concen: 56.762 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056288.D
Acq: 13 Jun 2019 17:54

Tgt Ion: 65 Resp: 191394
Ion Ratio Lower Upper
65 100
67 54.7 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

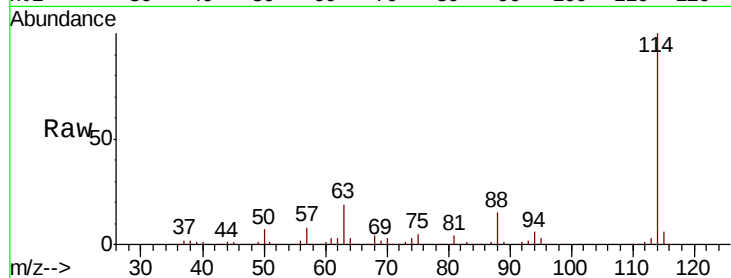




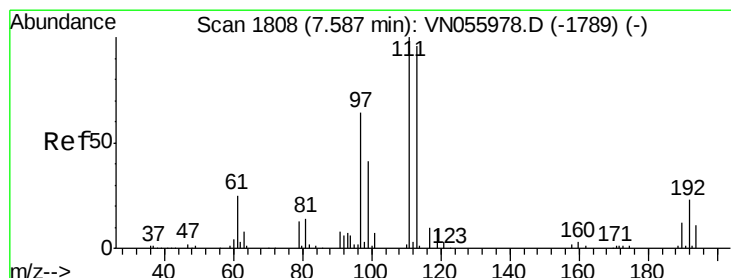
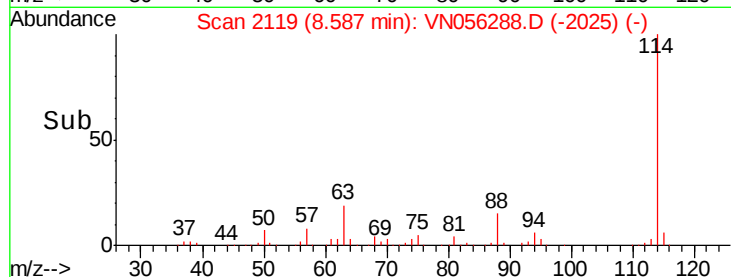
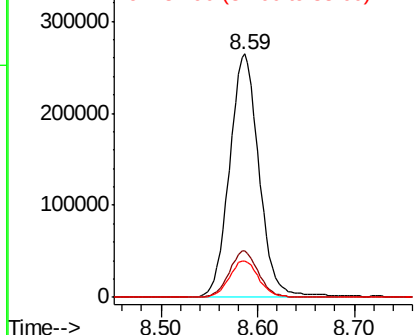
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056288.D
 Acq: 13 Jun 2019 17:54

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 561265
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.2
 88 15.0 0.0 31.0

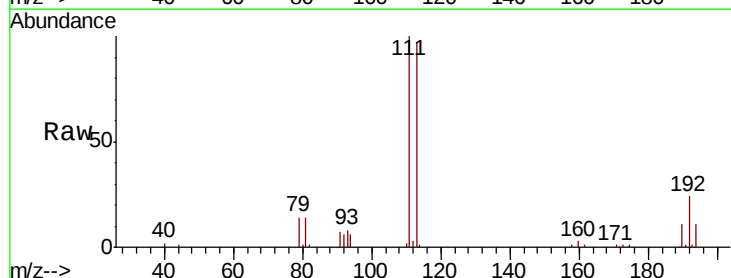


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

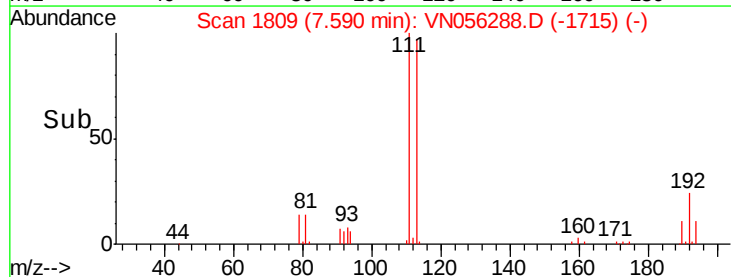
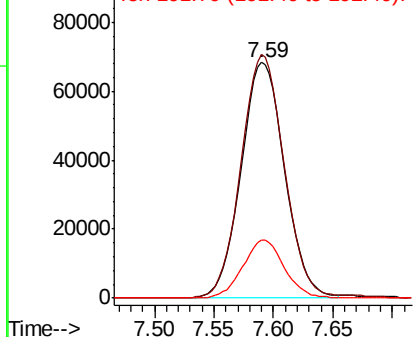


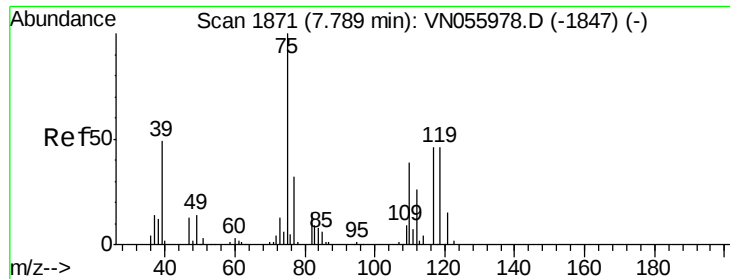
#35
 Dibromofluoromethane
 Concen: 50.384 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056288.D
 Acq: 13 Jun 2019 17:54

Tgt Ion:113 Resp: 173501
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.9 122.9
 192 23.5 19.5 29.3



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

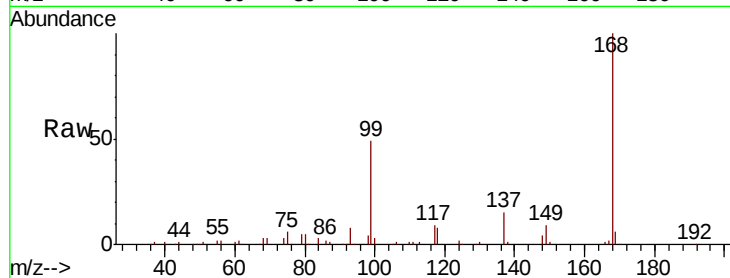




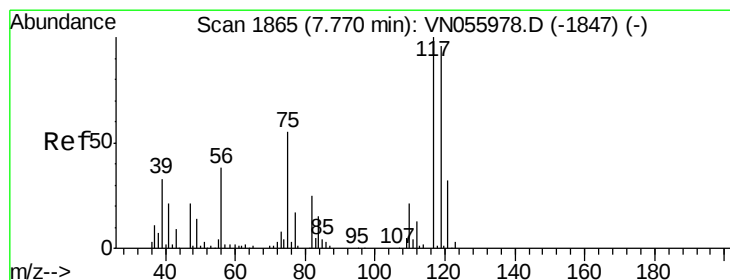
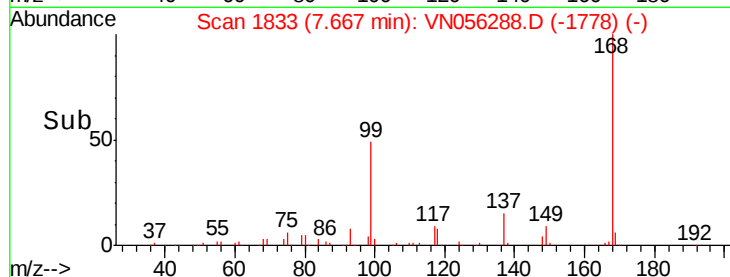
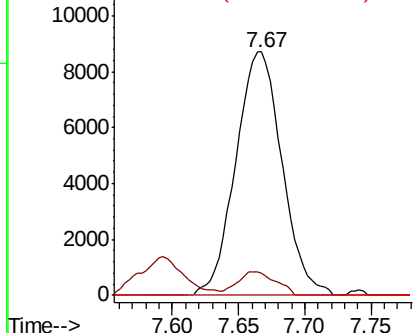
#36
 1,1-Dichloropropene
 Concen: 4.377 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN056288.D
 Acq: 13 Jun 2019 17:54

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	19.0	57.0#
77	0.0	25.1	37.7#

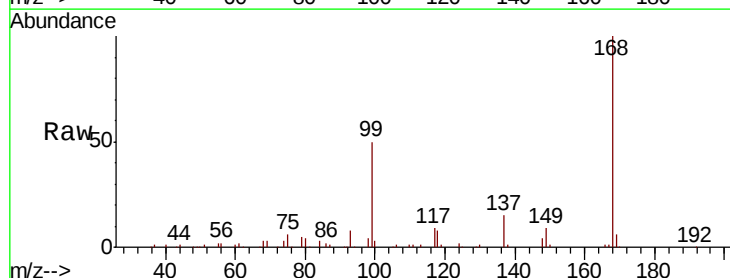


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

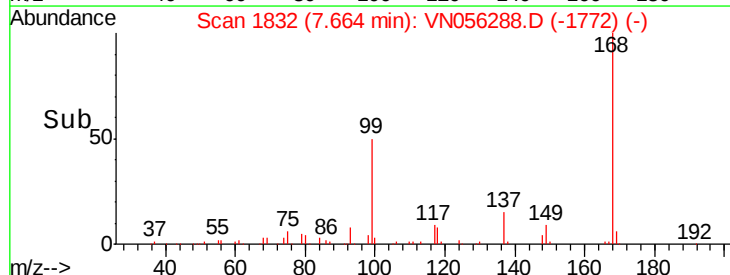
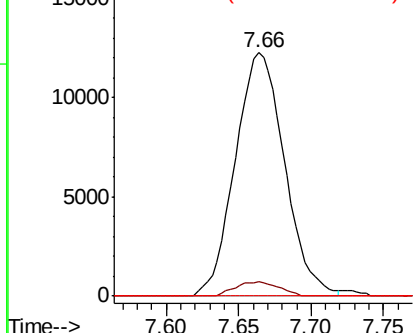


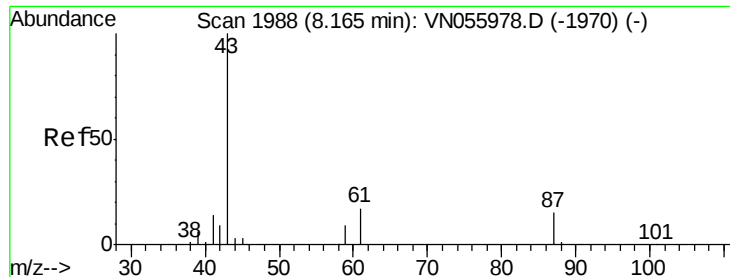
#38
 Carbon Tetrachloride
 Concen: 6.528 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN056288.D
 Acq: 13 Jun 2019 17:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	79.0	118.6#
121	0.0	24.7	37.1#



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: 0.351 ug/l

RT: 8.29 min Scan# 2028

Delta R.T. 0.13 min

Lab File: VN056288.D

Acq: 13 Jun 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

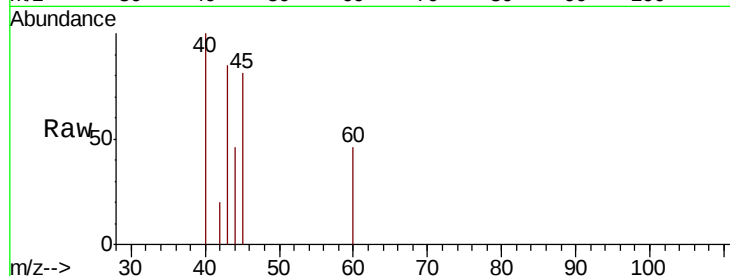
Tot Ion: 43 Resp: 2444

Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

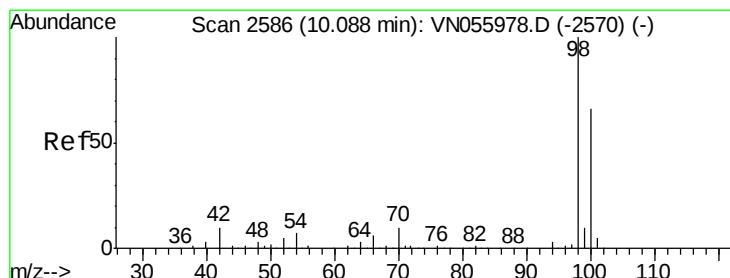
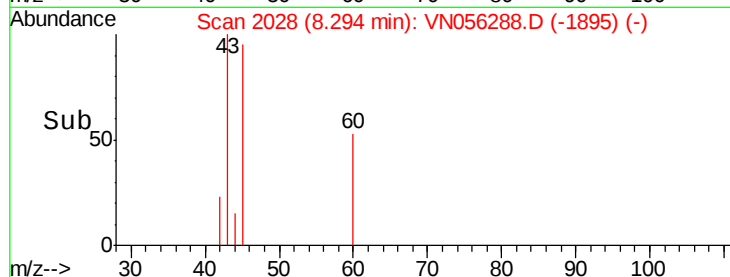
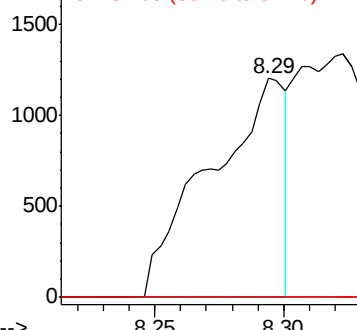
87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)



#50

Toluene-d8

Concen: 51.924 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056288.D

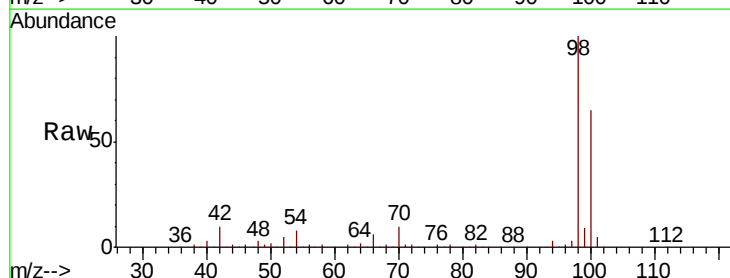
Acq: 13 Jun 2019 17:54

Tgt Ion: 98 Resp: 688031

Ion Ratio Lower Upper

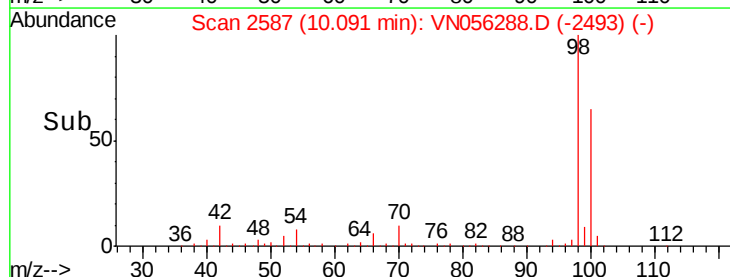
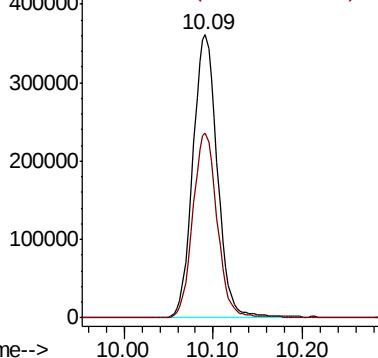
98 100

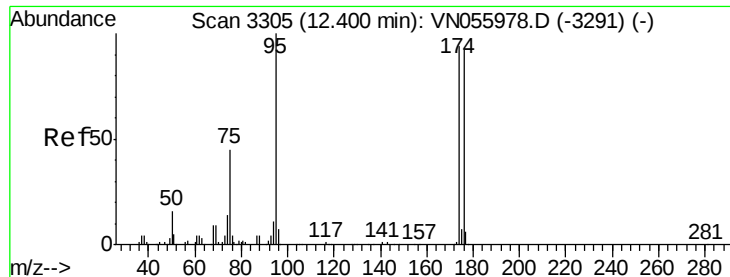
100 65.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055978.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055978.D (-2570) (-)





#62

4-Bromofluorobenzene

Concen: 47.426 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056288.D

Acq: 13 Jun 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

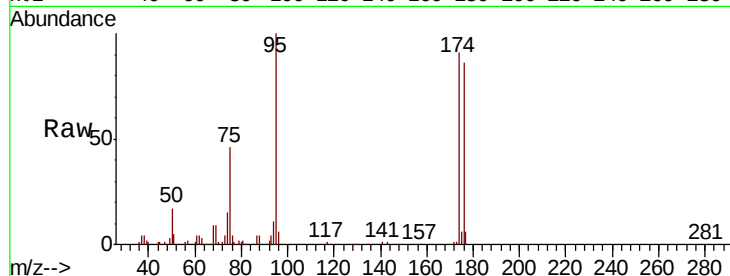
Tot Ion: 95 Resp: 213715

Ion Ratio Lower Upper

95 100

174 92.4 0.0 191.0

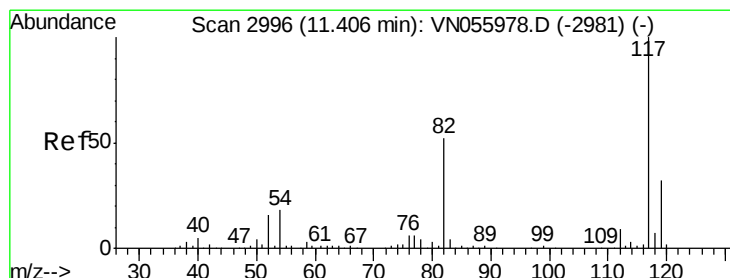
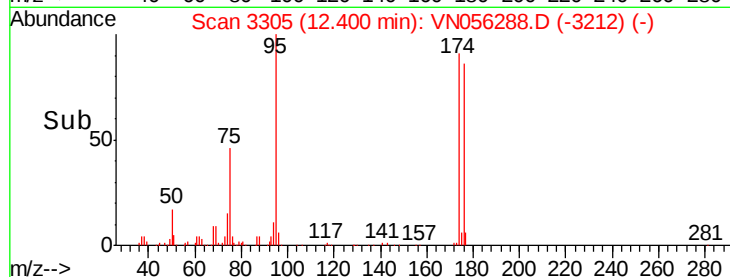
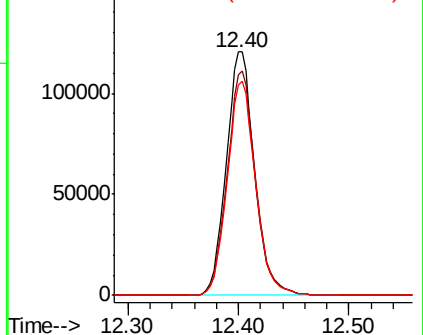
176 88.2 0.0 185.2



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: VN056288.D

Acq: 13 Jun 2019 17:54

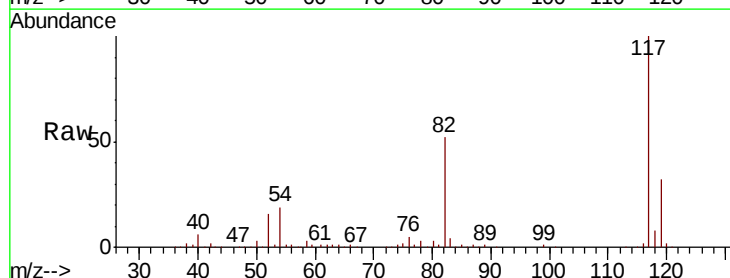
Tgt Ion: 117 Resp: 544888

Ion Ratio Lower Upper

117 100

82 51.9 41.8 62.8

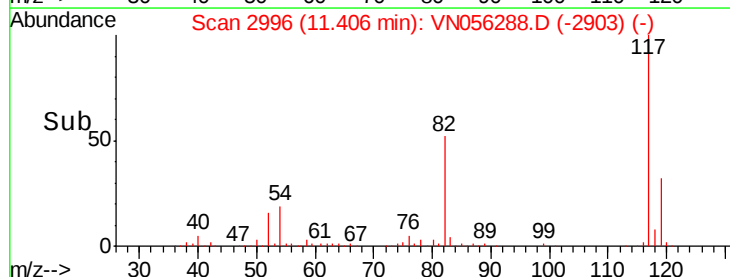
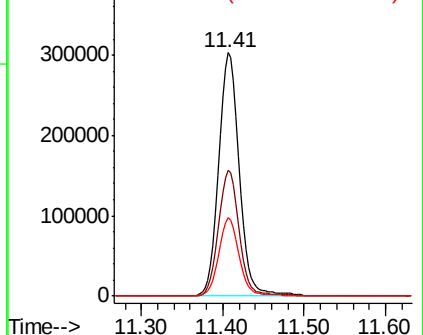
119 32.0 25.4 38.0

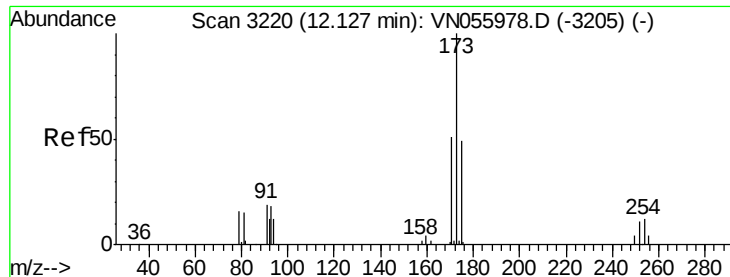


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

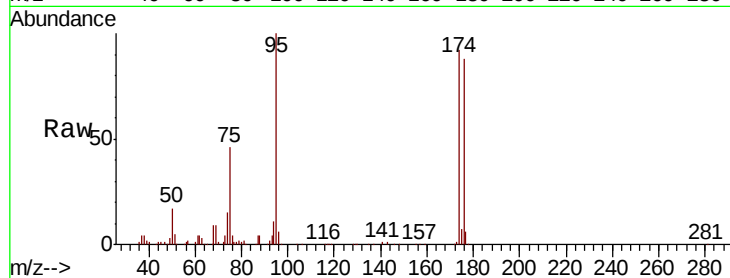




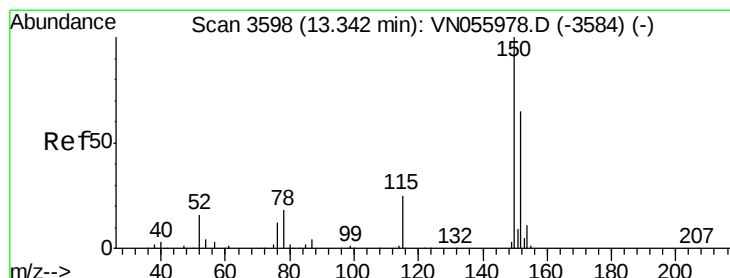
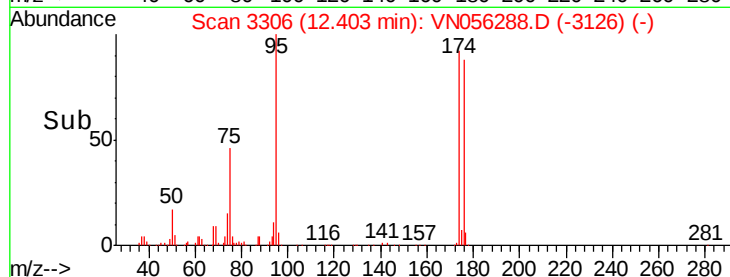
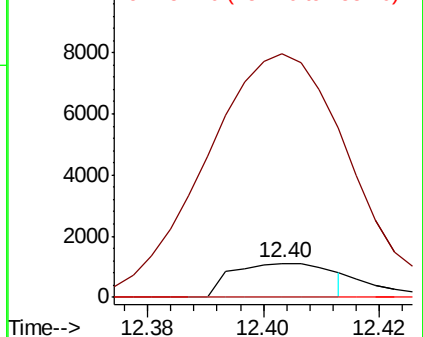
#71
Bromoform
Concen: 3.137 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN056288.D
Acq: 13 Jun 2019 17:54

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 1314
Ion Ratio Lower Upper
173 100
175 902.6 24.3 72.8#
254 0.0 0.0 0.0

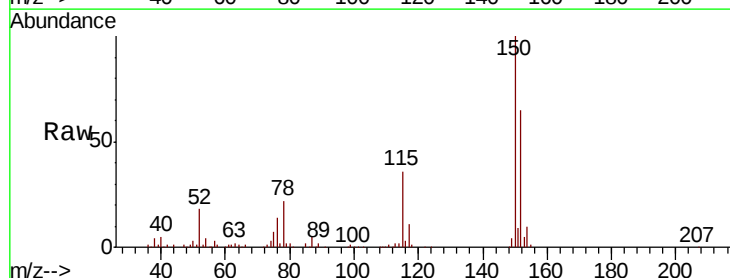


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

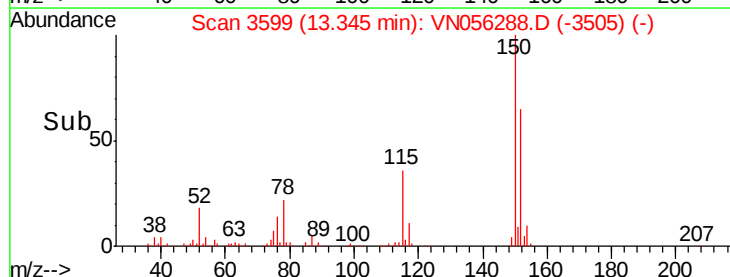
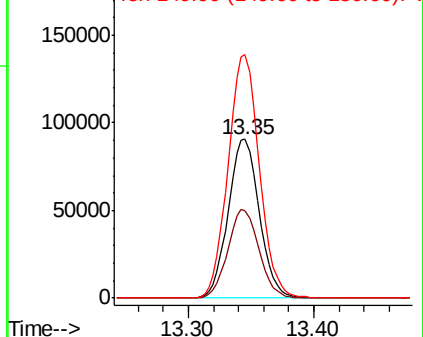


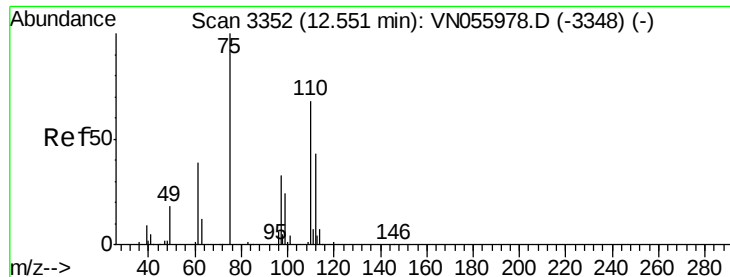
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN056288.D
Acq: 13 Jun 2019 17:54

Tgt Ion:152 Resp: 156049
Ion Ratio Lower Upper
152 100
115 55.9 27.0 81.0
150 154.1 0.0 343.2



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: 34.939 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056288.D

Acq: 13 Jun 2019 17:54

Instrument :

MSVOA_N

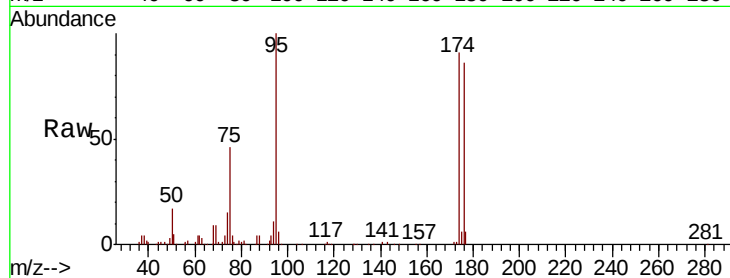
ClientSampled :

Tot Ion: 75 Resp: 100322

Ion Ratio Lower Upper

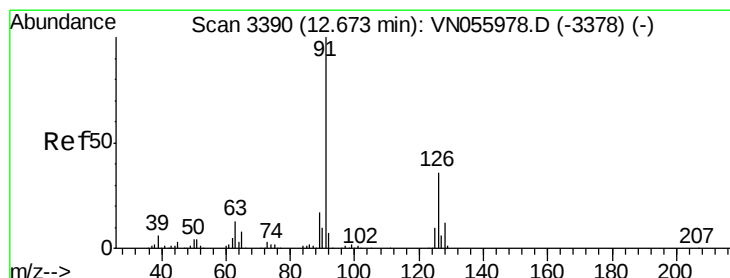
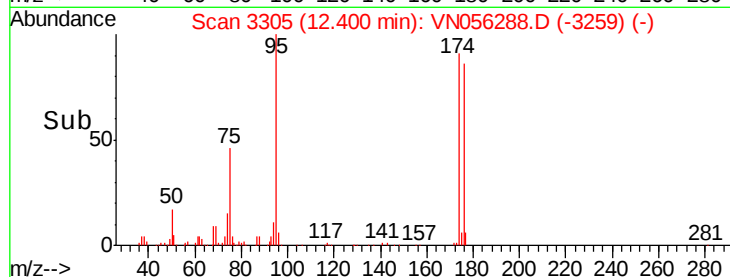
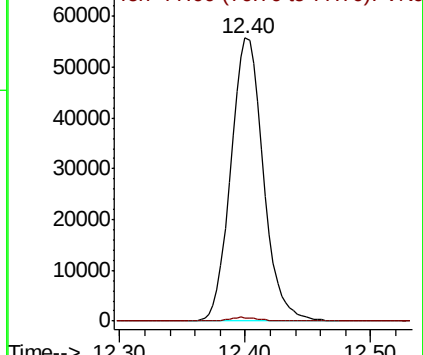
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.59 min Scan# 3364

Delta R.T. -0.08 min

Lab File: VN056288.D

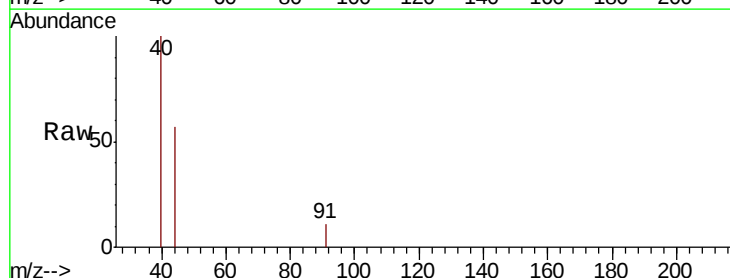
Acq: 13 Jun 2019 17:54

Tgt Ion: 91 Resp: 160

Ion Ratio Lower Upper

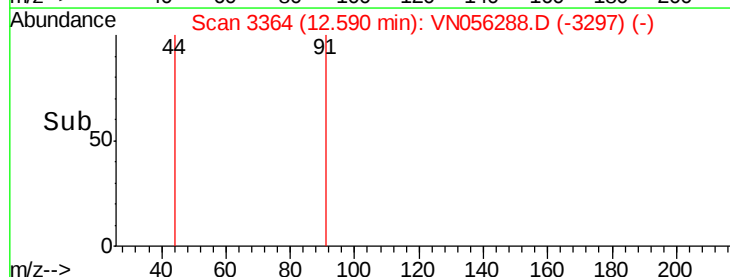
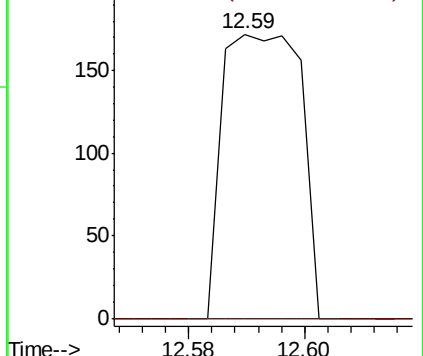
91 100

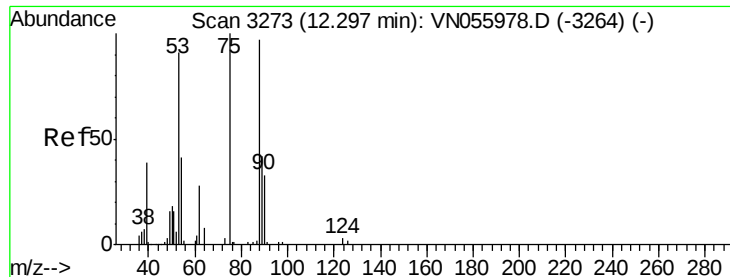
126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

trans-1,4-Dichloro-2-butene

Concen: 116.353 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056288.D

Acq: 13 Jun 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

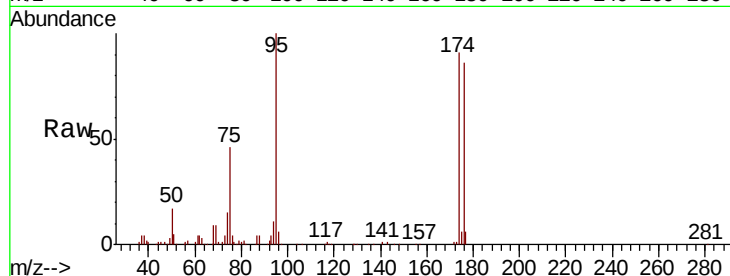
Tot Ion: 75 Resp: 100322

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

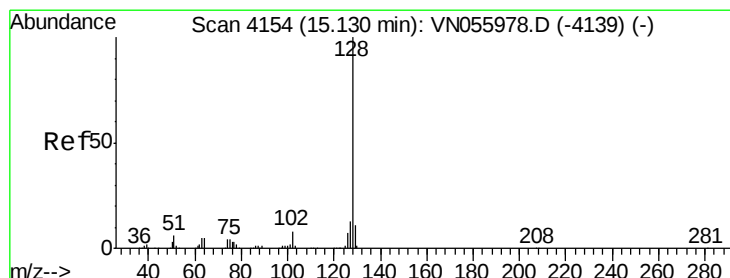
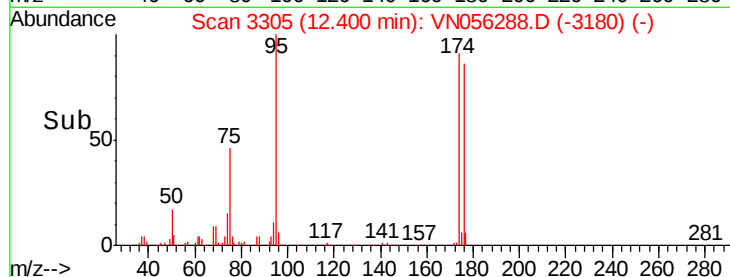
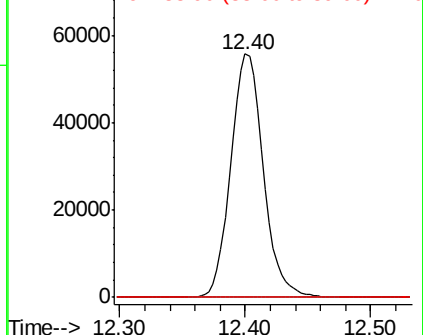
89 0.0 36.9 55.3#



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: 3.894 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN056288.D

Acq: 13 Jun 2019 17:54

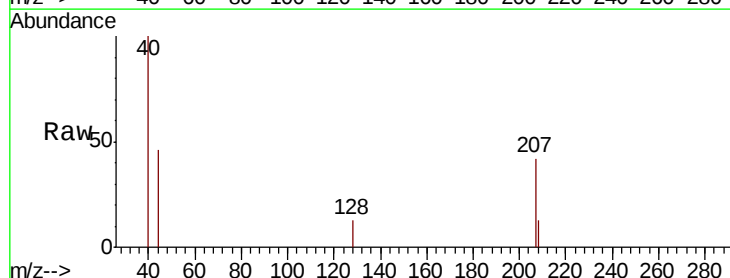
Tgt Ion: 128 Resp: 343

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

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

