

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071619\
 Data File : VN056763.D
 Acq On : 16 Jul 2019 13:03
 Operator : JC/SP
 Sample : K3834-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-3

Quant Time: Jul 17 01:08:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	262335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	472690	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	487488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	175131	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	154536	53.26	ug/l	0.00
Spiked Amount						
			Recovery	=	106.52%	
35) Dibromofluoromethane	7.59	113	140634	47.81	ug/l	0.00
Spiked Amount						
			Recovery	=	95.62%	
50) Toluene-d8	10.09	98	585873	51.57	ug/l	0.00
Spiked Amount						
			Recovery	=	103.14%	
62) 4-Bromofluorobenzene	12.40	95	212155	55.37	ug/l	0.00
Spiked Amount						
			Recovery	=	110.74%	

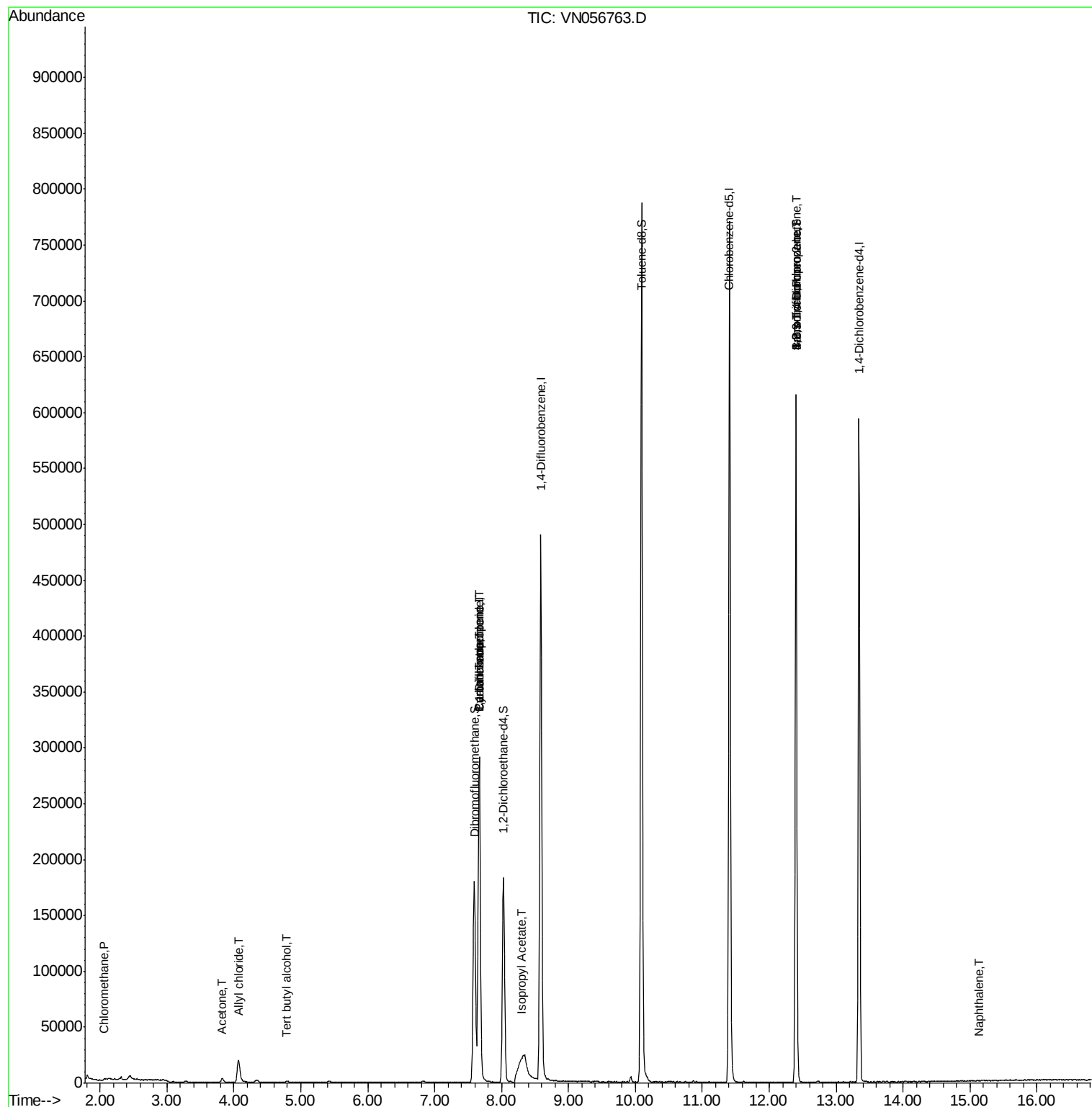
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	1096	0.331	ug/l #	84
11) Tert butyl alcohol	4.79	59	1193	2.470	ug/l #	73
14) Allyl chloride	4.07	41	3420	0.802	ug/l #	68
16) Acetone	3.82	43	6359	4.755	ug/l	96
18) Methyl Acetate	4.33	43	2239	Below Cal		94
31) Cyclohexane	7.67	56	4156	0.896	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	17221	3.937	ug/l #	49
38) Carbon Tetrachloride	7.67	117	22824	5.564	ug/l #	16
43) Isopropyl Acetate	8.29	43	30787	4.543	ug/l #	53
71) Bromoform	12.40	173	1211	0.434	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	98366	25.680	ug/l #	100
79) 2-Chlorotoluene	12.40	91	499	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	98366	79.310	ug/l #	13
95) Naphthalene	15.13	128	256	4.550	ug/l #	69

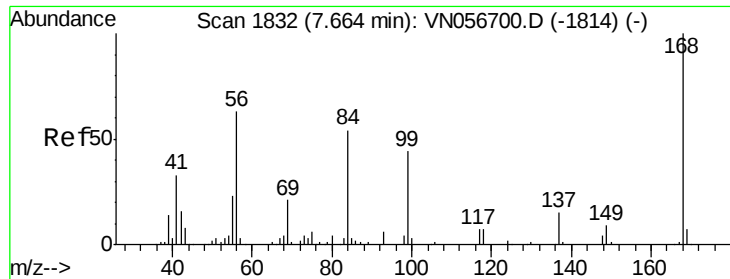
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN056763.D

Acq: 16 Jul 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

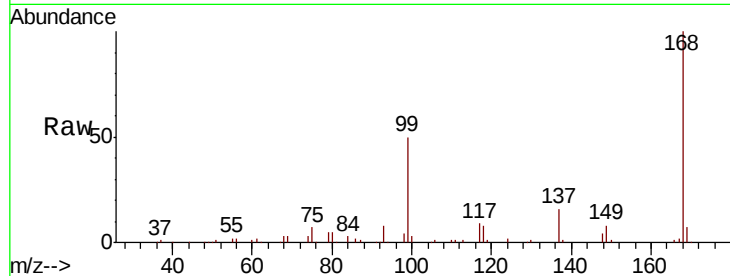
TW-3

Tot Ion:168 Resp: 262335

Ion Ratio Lower Upper

168 100

99 49.5 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): VN056763.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN056763.D (-1739) (-)

7.67

120000

100000

80000

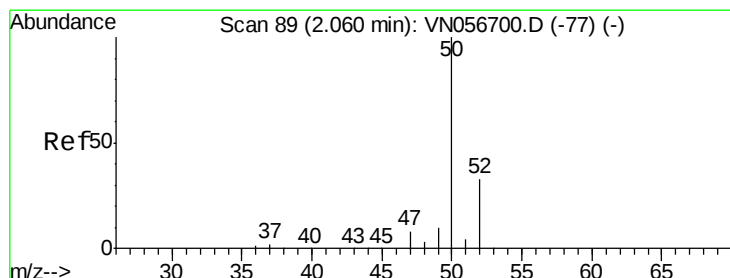
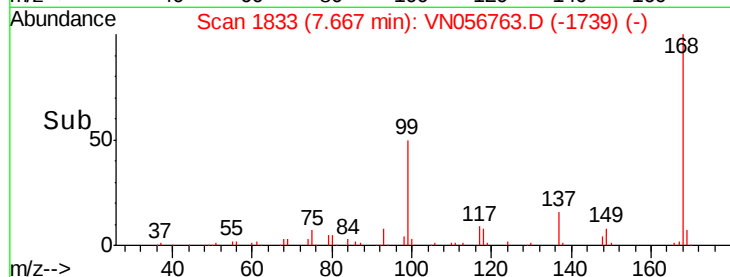
60000

40000

20000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#3

Chloromethane

Concen: 0.331 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056763.D

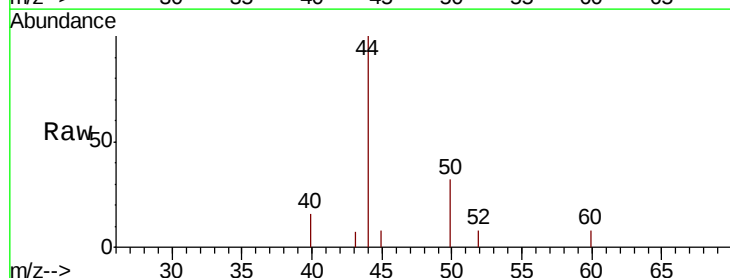
Acq: 16 Jul 2019 13:03

Tgt Ion: 50 Resp: 1096

Ion Ratio Lower Upper

50 100

52 24.0 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VN056763.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN056763.D (-1) (-)

2.06

800

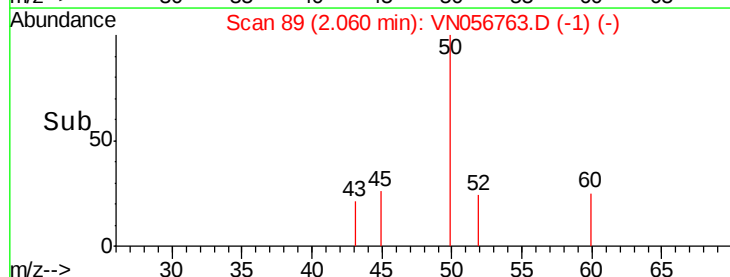
600

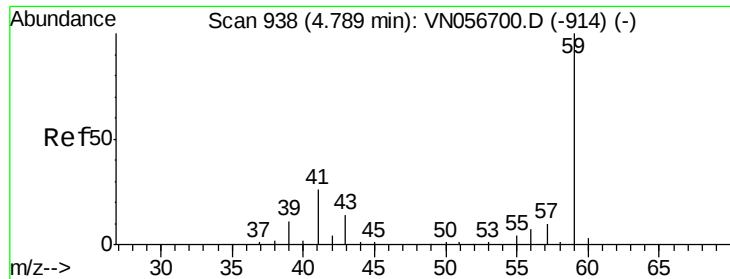
400

200

0

Time--> 2.02 2.04 2.06 2.08 2.10

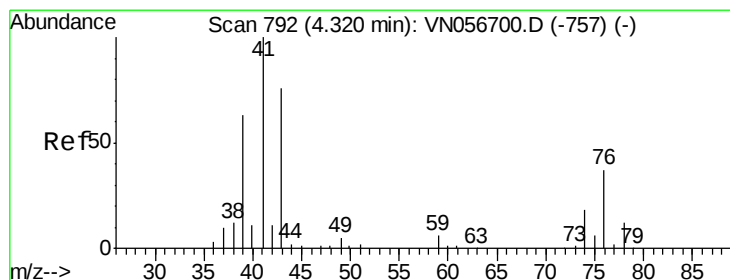
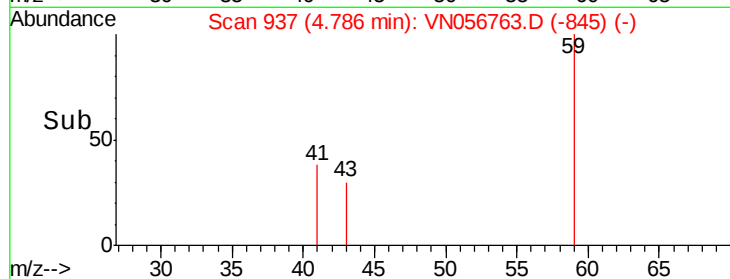
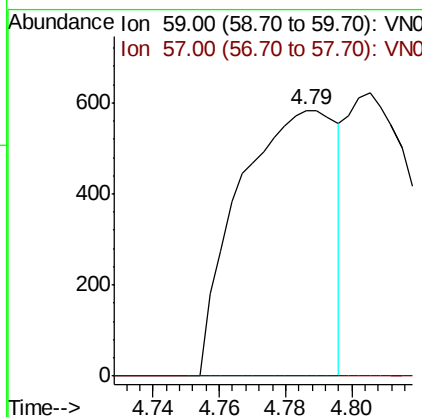
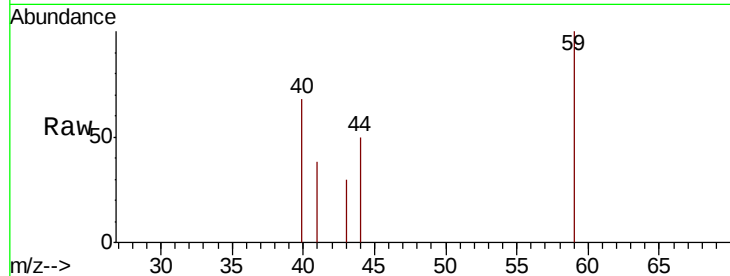




#11
Tert butyl alcohol
Concen: 2.470 ug/l
RT: 4.79 min Scan# 937
Delta R.T. -0.00 min
Lab File: VN056763.D
Acq: 16 Jul 2019 13:03

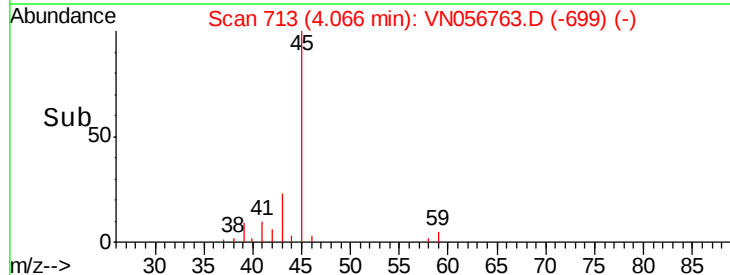
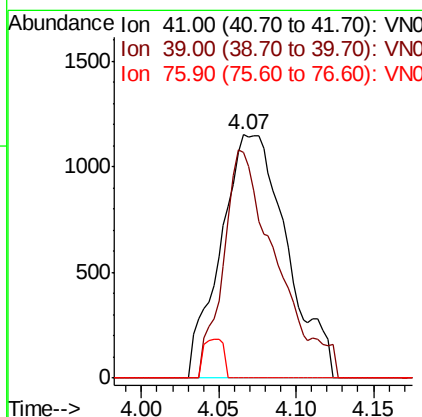
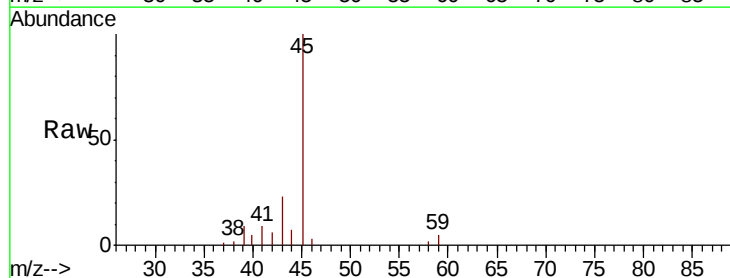
Instrument :
MSVOA_N
ClientSampled :
TW-3

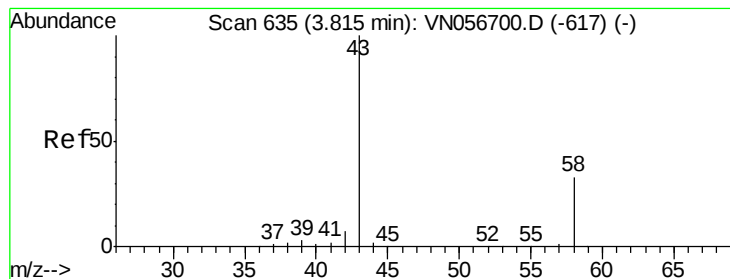
Tot Ion: 59 Resp: 1193
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#



#14
Allyl chloride
Concen: 0.802 ug/l
RT: 4.07 min Scan# 713
Delta R.T. -0.25 min
Lab File: VN056763.D
Acq: 16 Jul 2019 13:03

Tgt Ion: 41 Resp: 3420
Ion Ratio Lower Upper
41 100
39 75.5 46.9 70.3#
76 4.9 26.5 39.7#





#16

Acetone

Concen: 4.755 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056763.D

Acq: 16 Jul 2019 13:03

Instrument :

MSVOA_N

ClientSampled :

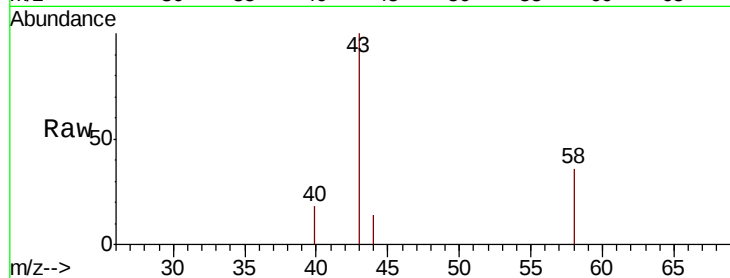
TW-3

Tot Ion: 43 Resp: 6359

Ion Ratio Lower Upper

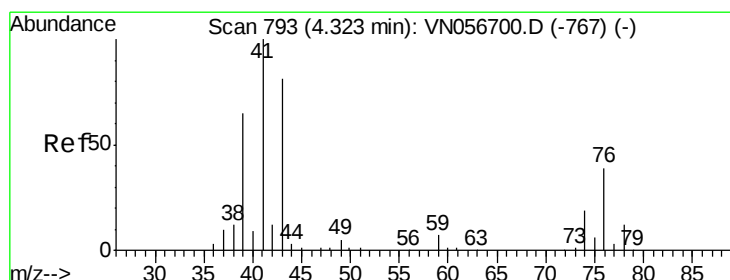
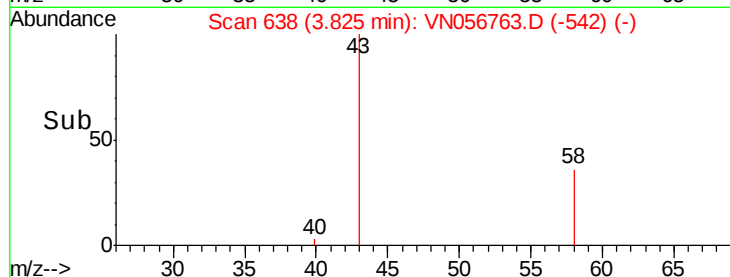
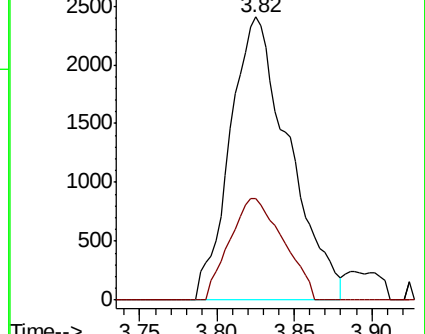
43 100

58 35.8 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN056763.D

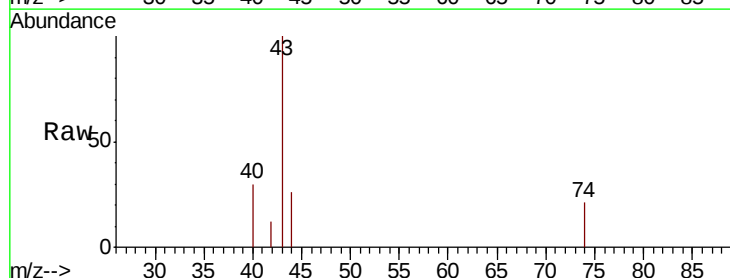
Acq: 16 Jul 2019 13:03

Tgt Ion: 43 Resp: 2239

Ion Ratio Lower Upper

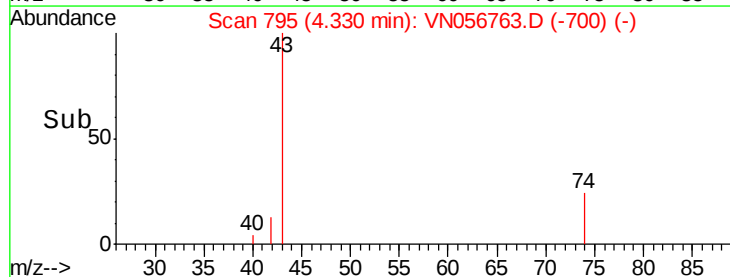
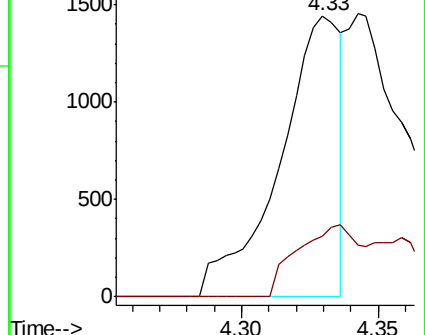
43 100

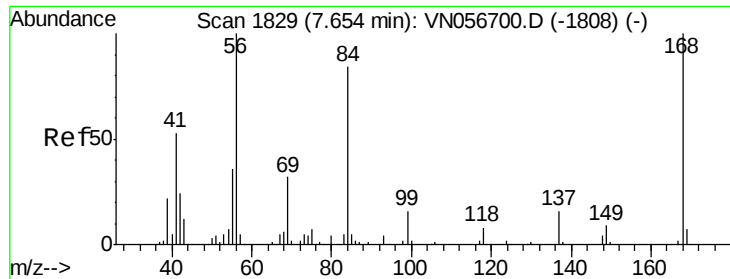
74 26.3 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

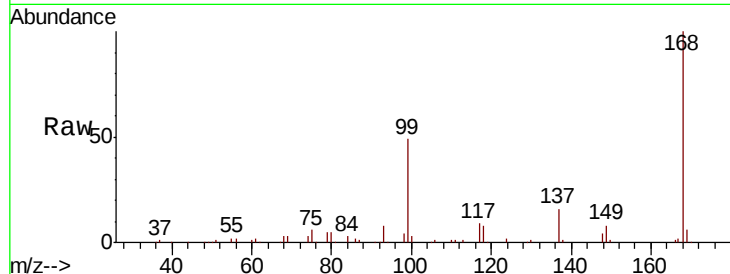




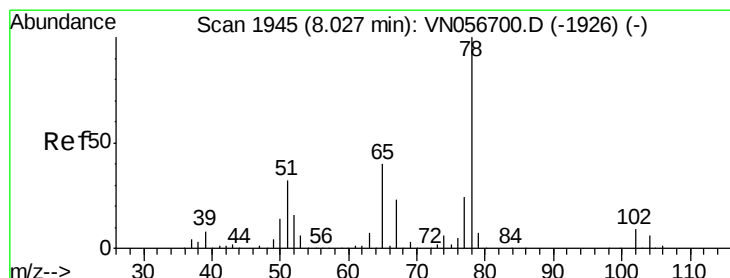
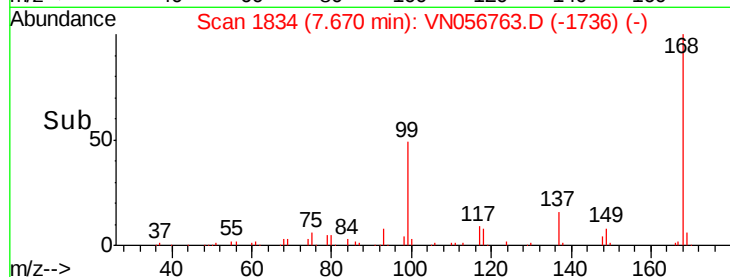
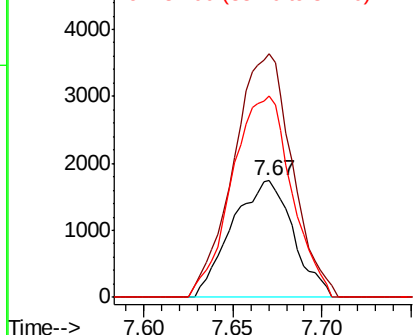
#31
Cyclohexane
Concen: 0.896 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.02 min
Lab File: VN056763.D
Acq: 16 Jul 2019 13:03

Instrument :
MSVOA_N
ClientSampled :
TW-3

Tot Ion: 56 Resp: 4156
Ion Ratio Lower Upper
56 100
69 209.3 25.8 38.8#
84 173.3 67.4 101.0#

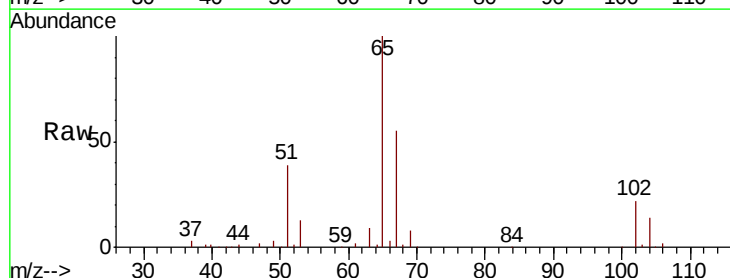


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

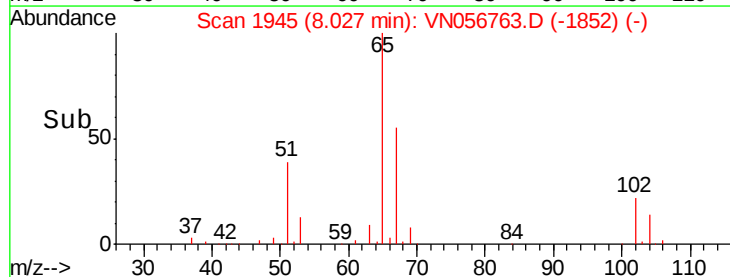
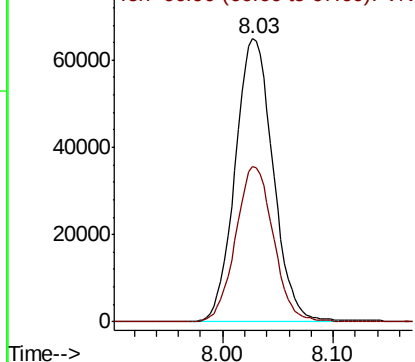


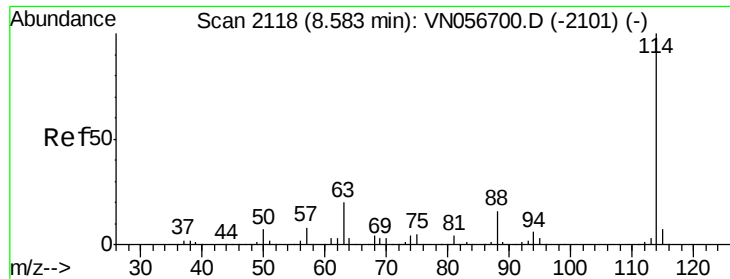
#33
1,2-Dichloroethane-d4
Concen: 53.255 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056763.D
Acq: 16 Jul 2019 13:03

Tgt Ion: 65 Resp: 154536
Ion Ratio Lower Upper
65 100
67 54.7 0.0 109.0



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

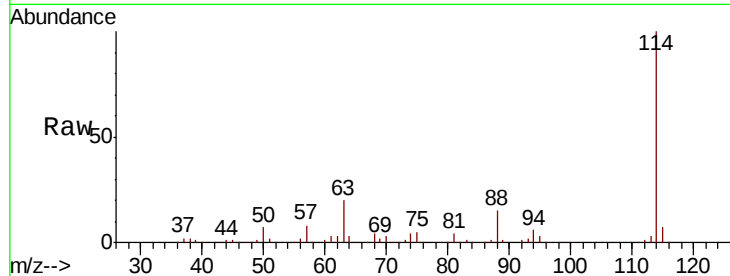




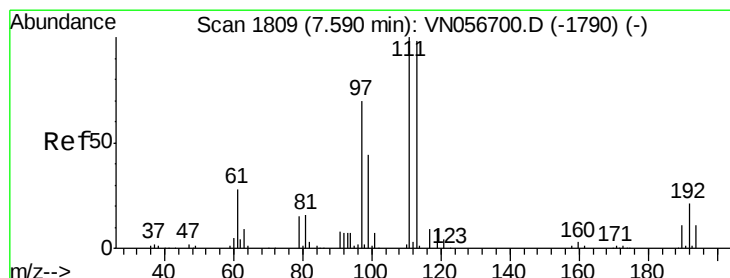
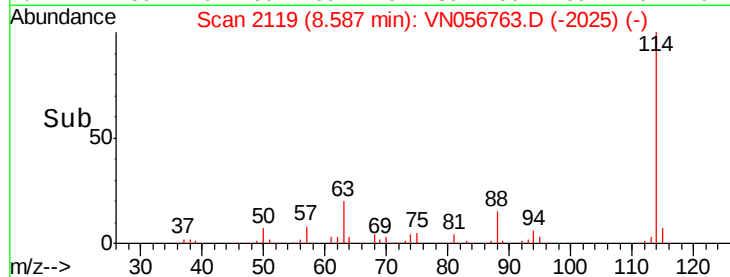
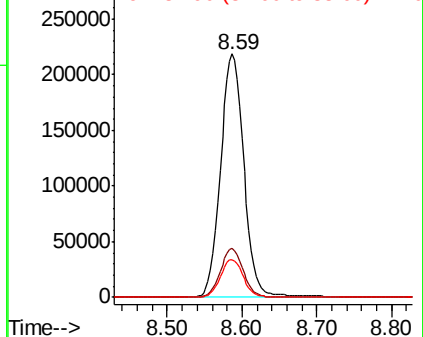
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN056763.D
Acq: 16 Jul 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
TW-3

Tot Ion:114 Resp: 472690
Ion Ratio Lower Upper
114 100
63 19.9 0.0 39.4
88 15.5 0.0 31.2

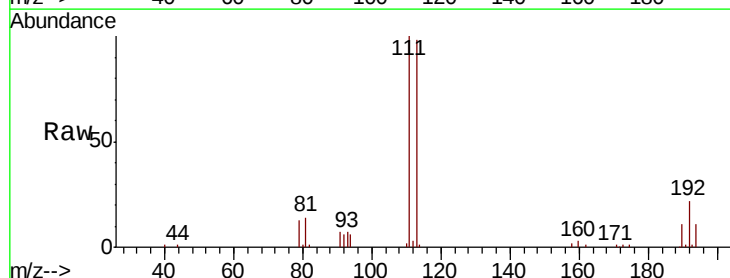


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

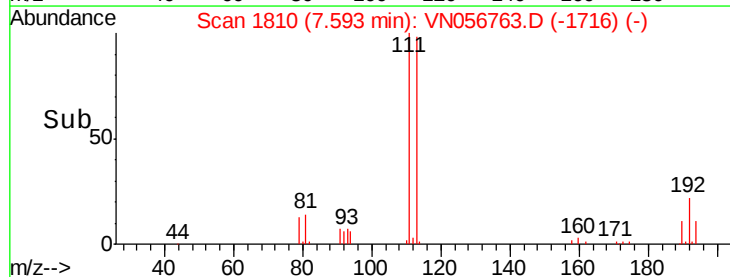
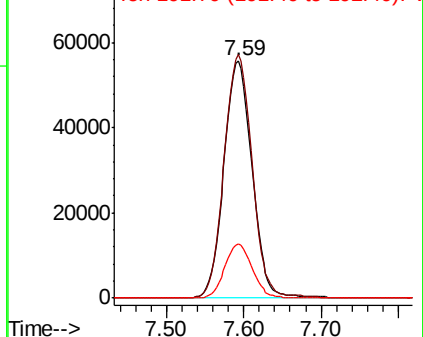


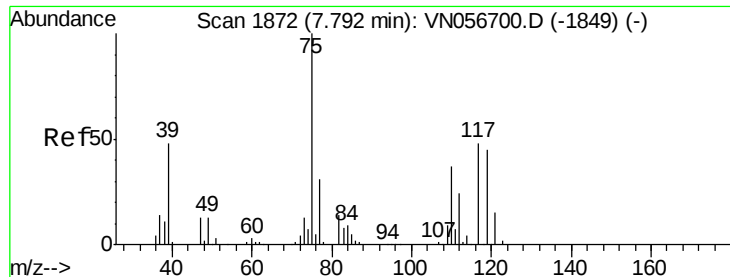
#35
Dibromofluoromethane
Concen: 47.808 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN056763.D
Acq: 16 Jul 2019 13:03

Tgt Ion:113 Resp: 140634
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.6
192 22.3 17.5 26.3



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

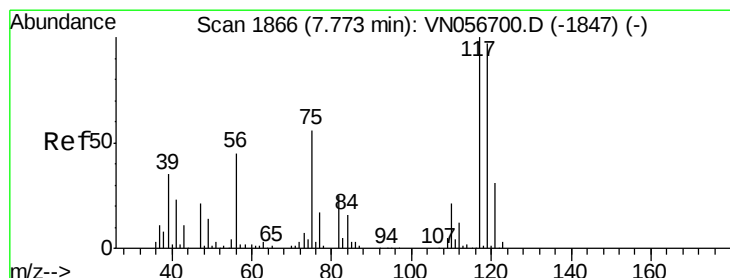
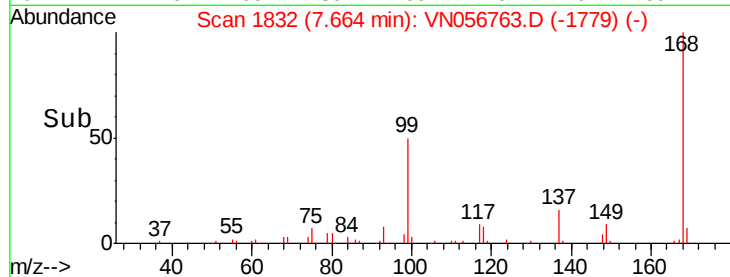
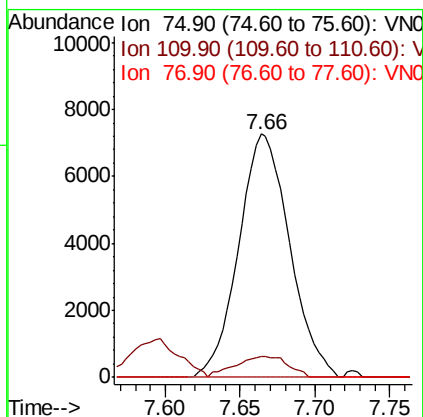
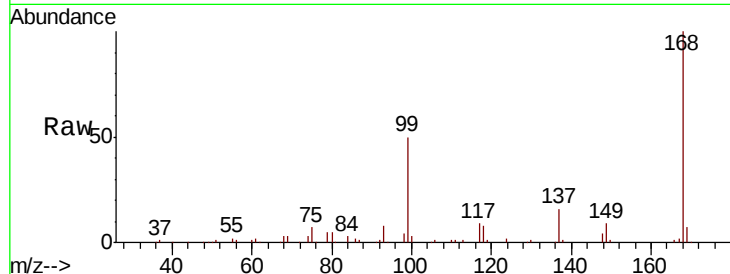




#36
 1,1-Dichloropropene
 Concen: 3.937 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056763.D
 Acq: 16 Jul 2019 13:03

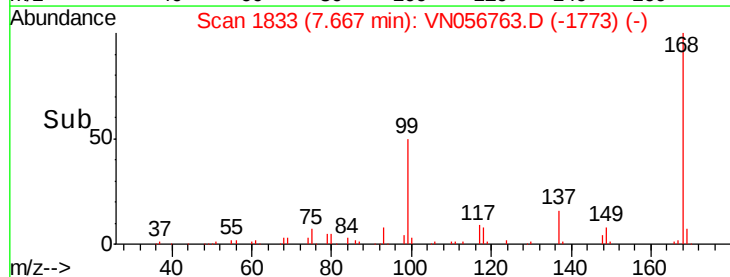
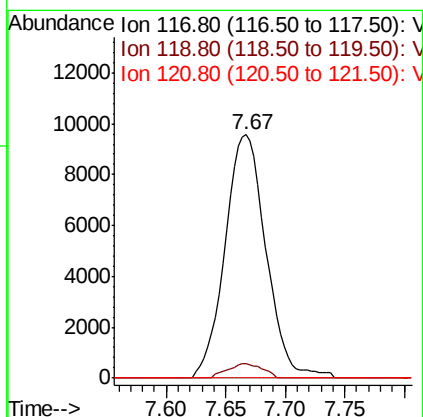
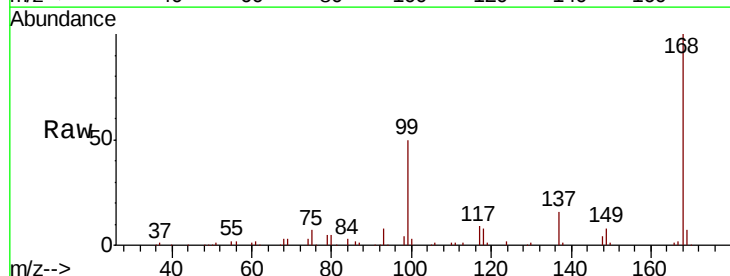
Instrument :
 MSVOA_N
 ClientSampled :
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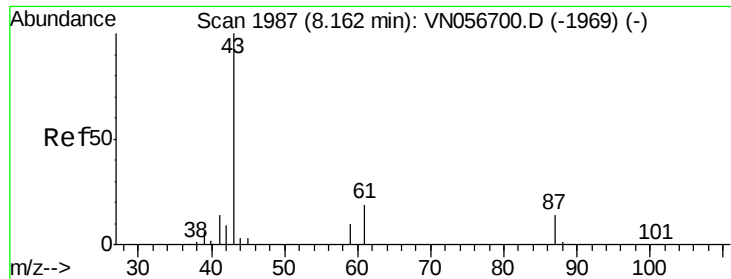
Tot Ion	75	Resp	17221
Ion Ratio	Lower	Upper	
75	100		
110	8.9	18.4	55.4#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.564 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN056763.D
 Acq: 16 Jul 2019 13:03

Tgt Ion	117	Resp	22824
Ion Ratio	Lower	Upper	
117	100		
119	5.8	77.5	116.3#
121	0.0	24.7	37.1#





#43

Isopropyl Acetate

Concen: 4.543 ug/l

RT: 8.29 min Scan# 2028

Delta R.T. 0.13 min

Lab File: VN056763.D

Acq: 16 Jul 2019 13:03

Instrument :

MSVOA_N

ClientSampled :

TW-3

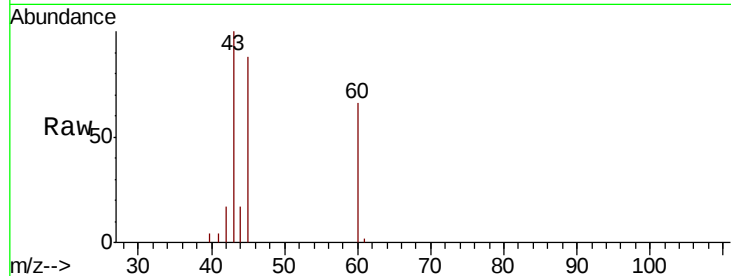
Tot Ion: 43 Resp: 30787

Ion Ratio Lower Upper

43 100

61 0.0 22.3 33.5#

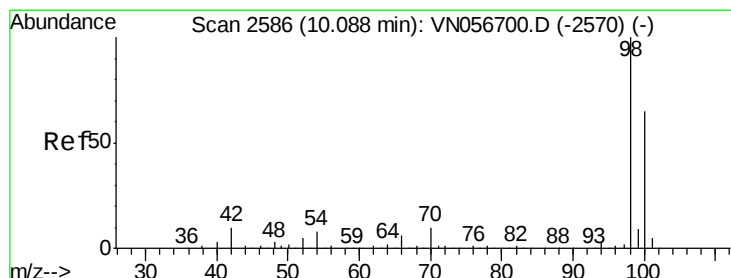
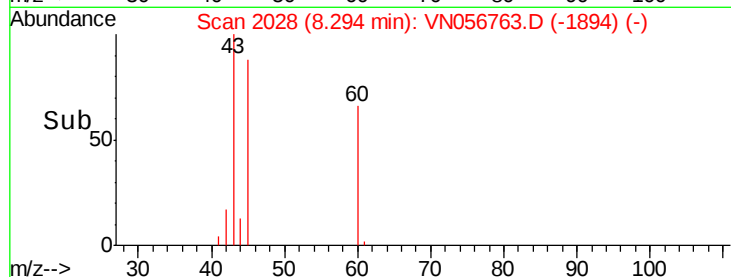
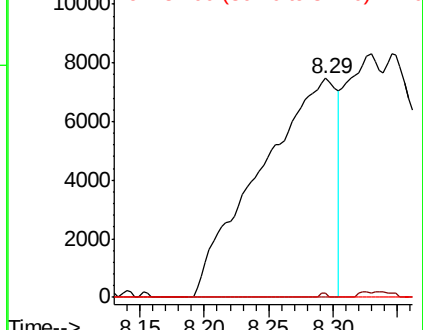
87 0.0 11.1 16.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 51.567 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056763.D

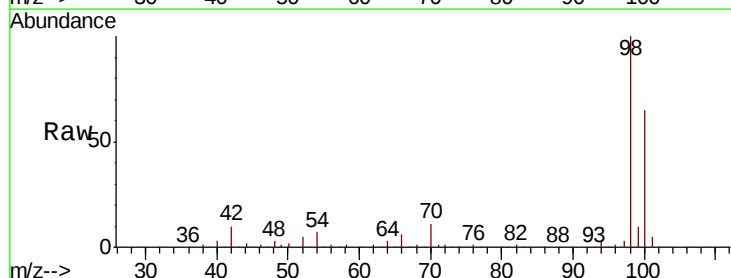
Acq: 16 Jul 2019 13:03

Tgt Ion: 98 Resp: 585873

Ion Ratio Lower Upper

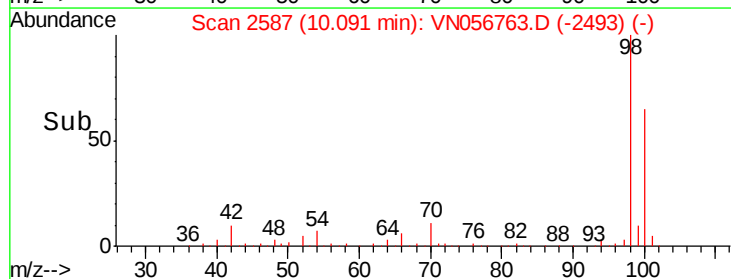
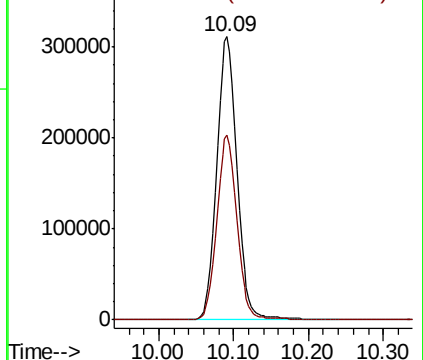
98 100

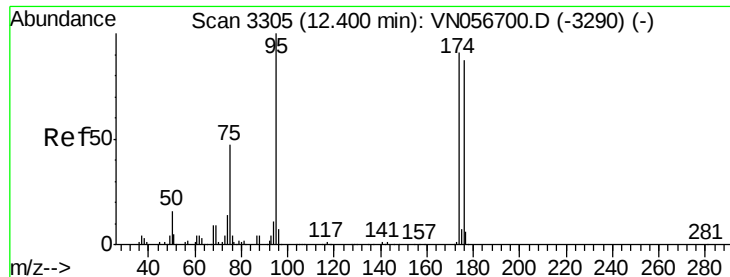
100 64.9 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 55.372 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056763.D

Acq: 16 Jul 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

TW-3

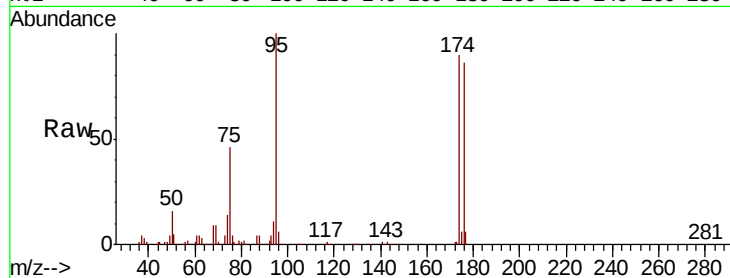
Tot Ion: 95 Resp: 212155

Ion Ratio Lower Upper

95 100

174 90.3 0.0 180.0

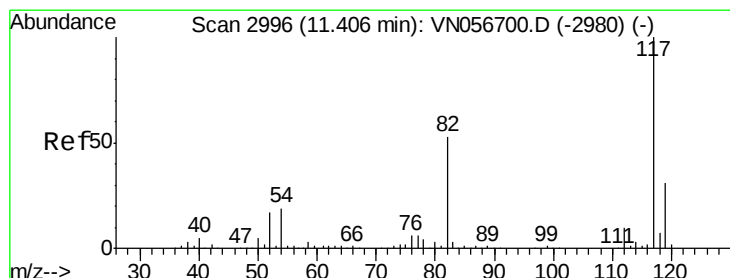
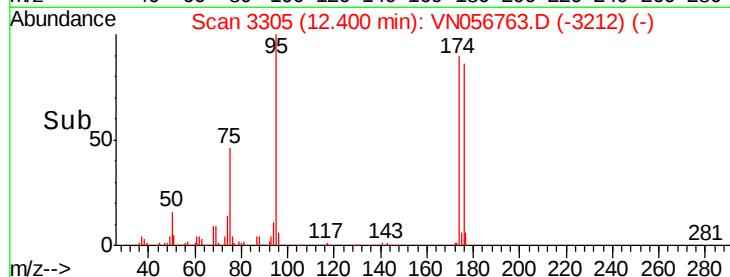
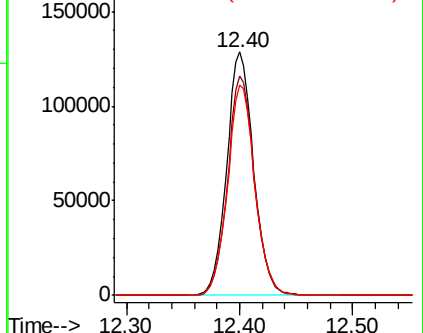
176 87.7 0.0 173.2



Abundance Ion 94.90 (94.60 to 95.60): VN056763.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN056763.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN056763.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056763.D

Acq: 16 Jul 2019 13:03

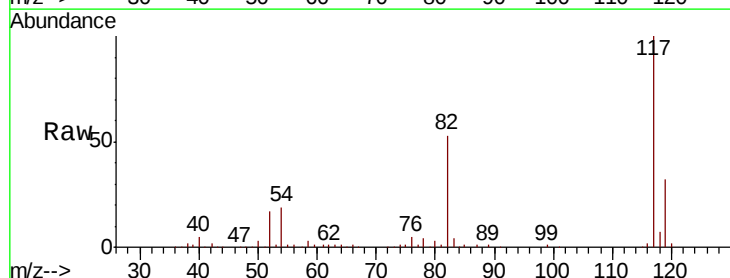
Tgt Ion: 117 Resp: 487488

Ion Ratio Lower Upper

117 100

82 53.0 42.2 63.2

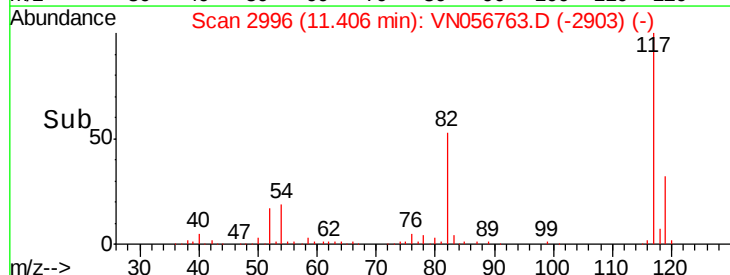
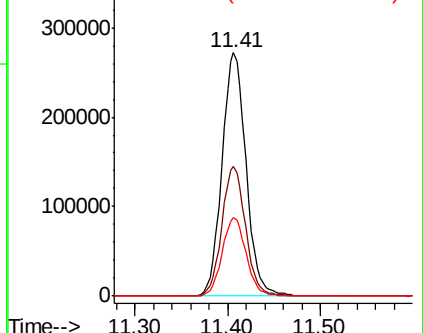
119 32.2 25.2 37.8

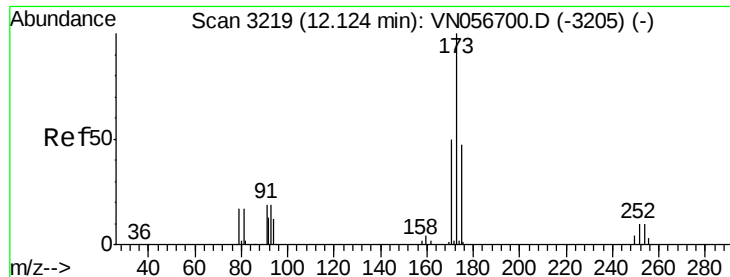


Abundance Ion 116.90 (116.60 to 117.60): VN056763.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN056763.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN056763.D (-2903) (-)

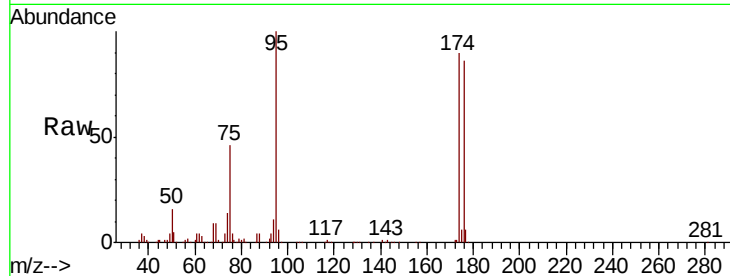




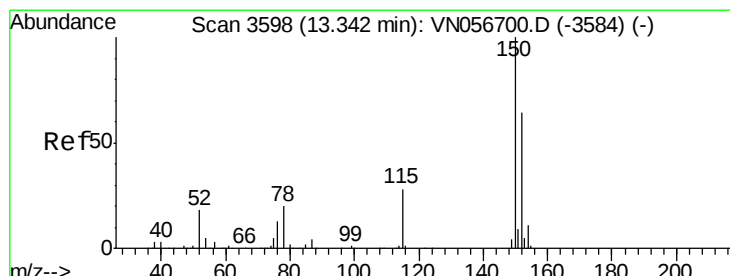
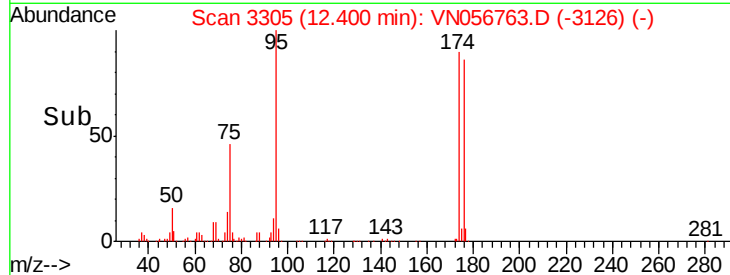
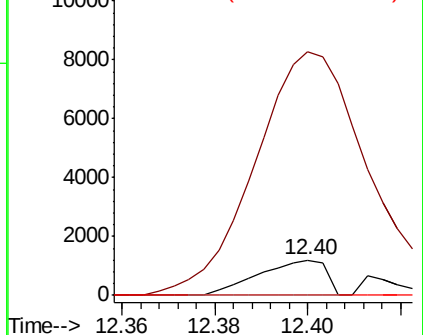
#71
Bromoform
Concen: 0.434 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.28 min
Lab File: VN056763.D
Acq: 16 Jul 2019 13:03

Instrument :
MSVOA_N
ClientSampled :
TW-3

Tot Ion:173 Resp: 1211
Ion Ratio Lower Upper
173 100
175 941.8 23.8 71.4#
254 0.0 0.0 0.0

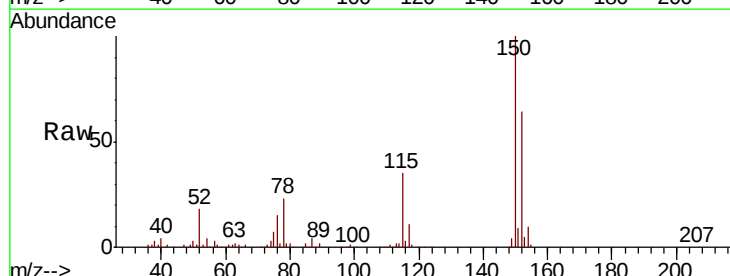


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

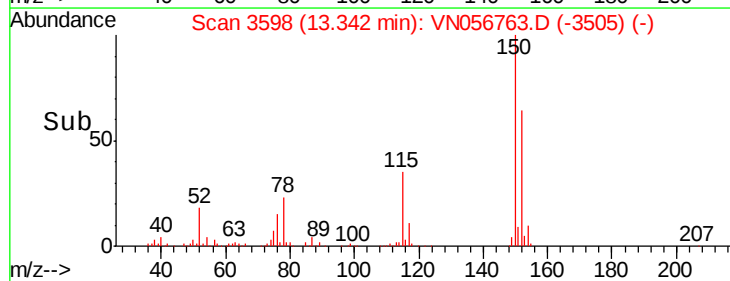
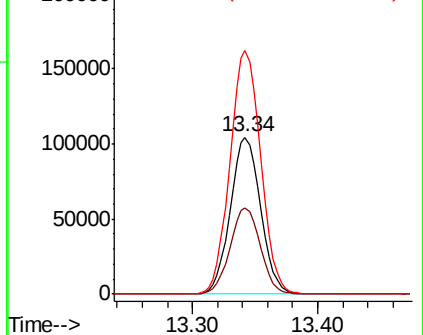


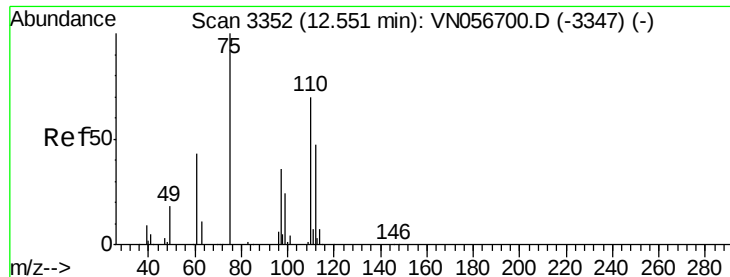
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056763.D
Acq: 16 Jul 2019 13:03

Tgt Ion:152 Resp: 175131
Ion Ratio Lower Upper
152 100
115 55.2 28.2 84.7
150 157.6 0.0 345.8



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





#76

1,2,3-Trichloropropane

Concen: 25.680 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056763.D

Acq: 16 Jul 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

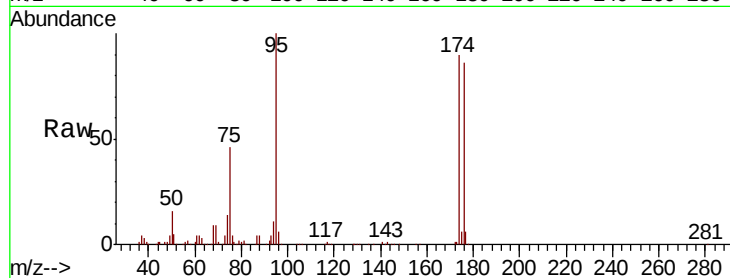
TW-3

Tot Ion: 75 Resp: 98366

Ion Ratio Lower Upper

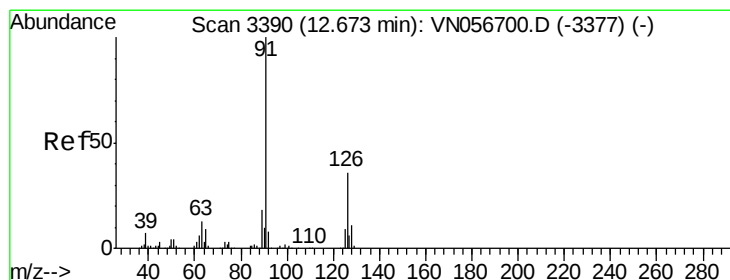
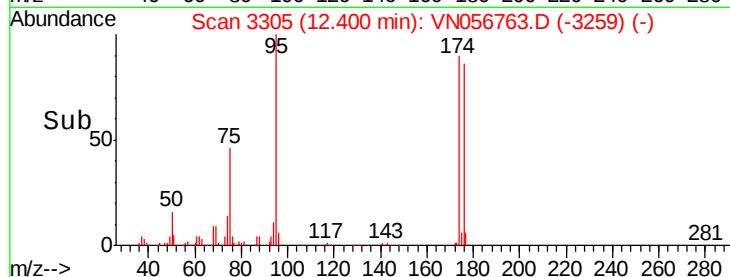
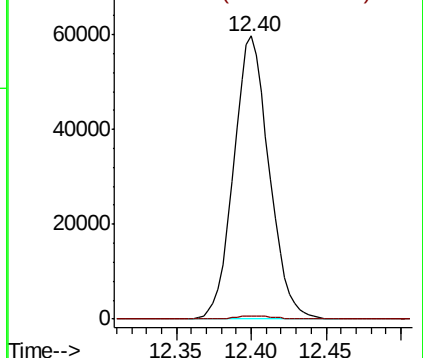
75 100

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: 12.40 min Scan# 3306

Delta R.T. -0.27 min

Lab File: VN056763.D

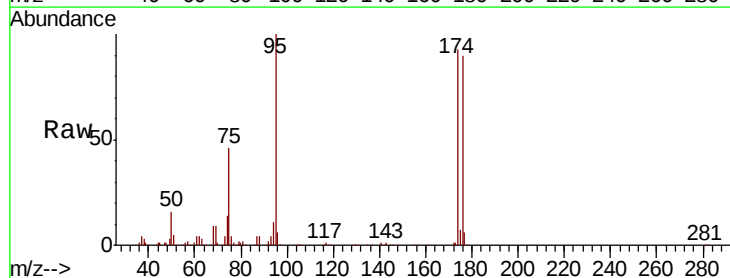
Acq: 16 Jul 2019 13:03

Tgt Ion: 91 Resp: 499

Ion Ratio Lower Upper

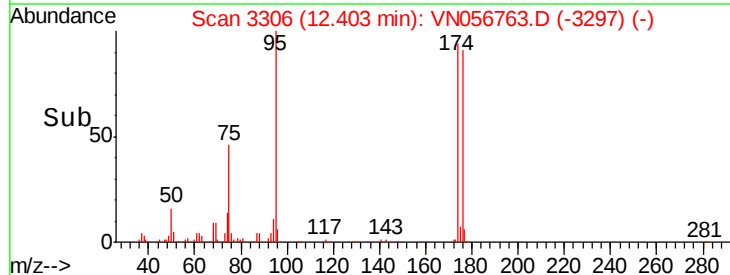
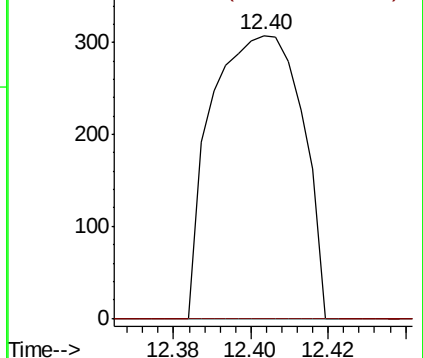
91 100

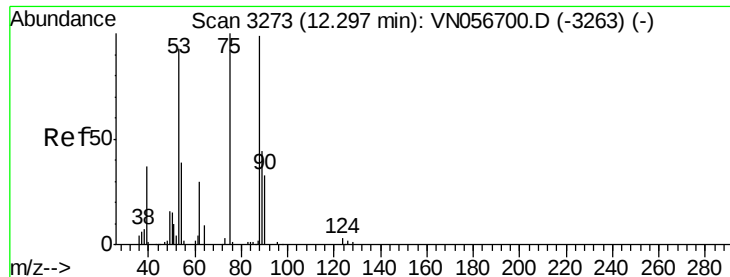
126 0.0 17.9 53.7#



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: 79.310 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056763.D

Acq: 16 Jul 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

TW-3

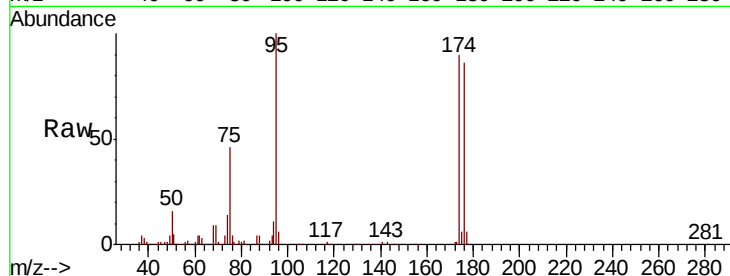
Tot Ion: 75 Resp: 98366

Ion Ratio Lower Upper

75 100

53 0.0 73.7 110.5#

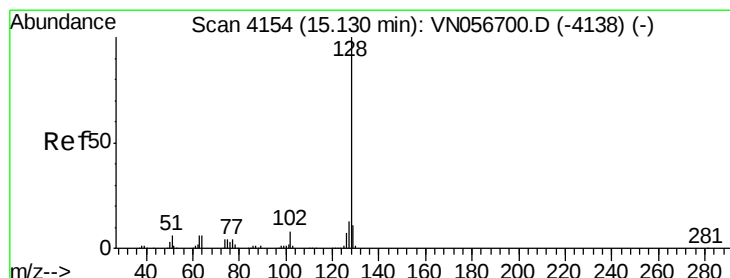
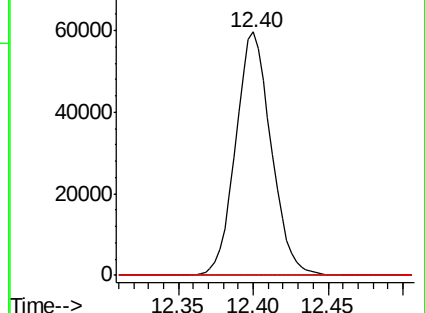
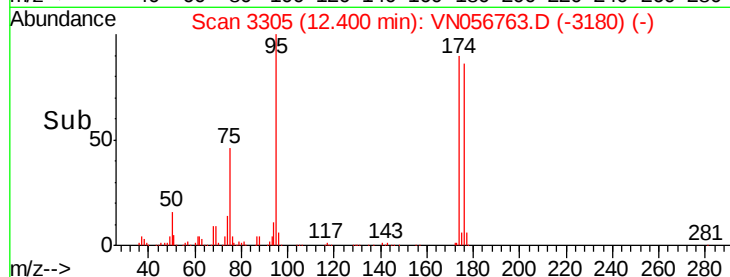
89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VN056763.D (-3180) (-)

Ion 53.00 (52.70 to 53.70): VN056763.D (-3180) (-)

Ion 88.90 (88.60 to 89.60): VN056763.D (-3180) (-)



#95

Naphthalene

Concen: 4.550 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056763.D

Acq: 16 Jul 2019 13:03

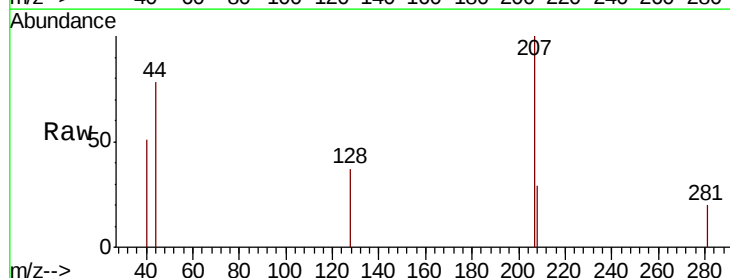
Tgt Ion: 128 Resp: 256

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): VN056763.D (-4060) (-)

Ion 127.00 (126.70 to 127.70): VN056763.D (-4060) (-)

Ion 129.00 (128.70 to 129.70): VN056763.D (-4060) (-)

