

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN011119\
 Data File : VN053354.D
 Acq On : 11 Jan 2019 9:41
 Operator : MD\SY
 Sample : VN0111WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 28

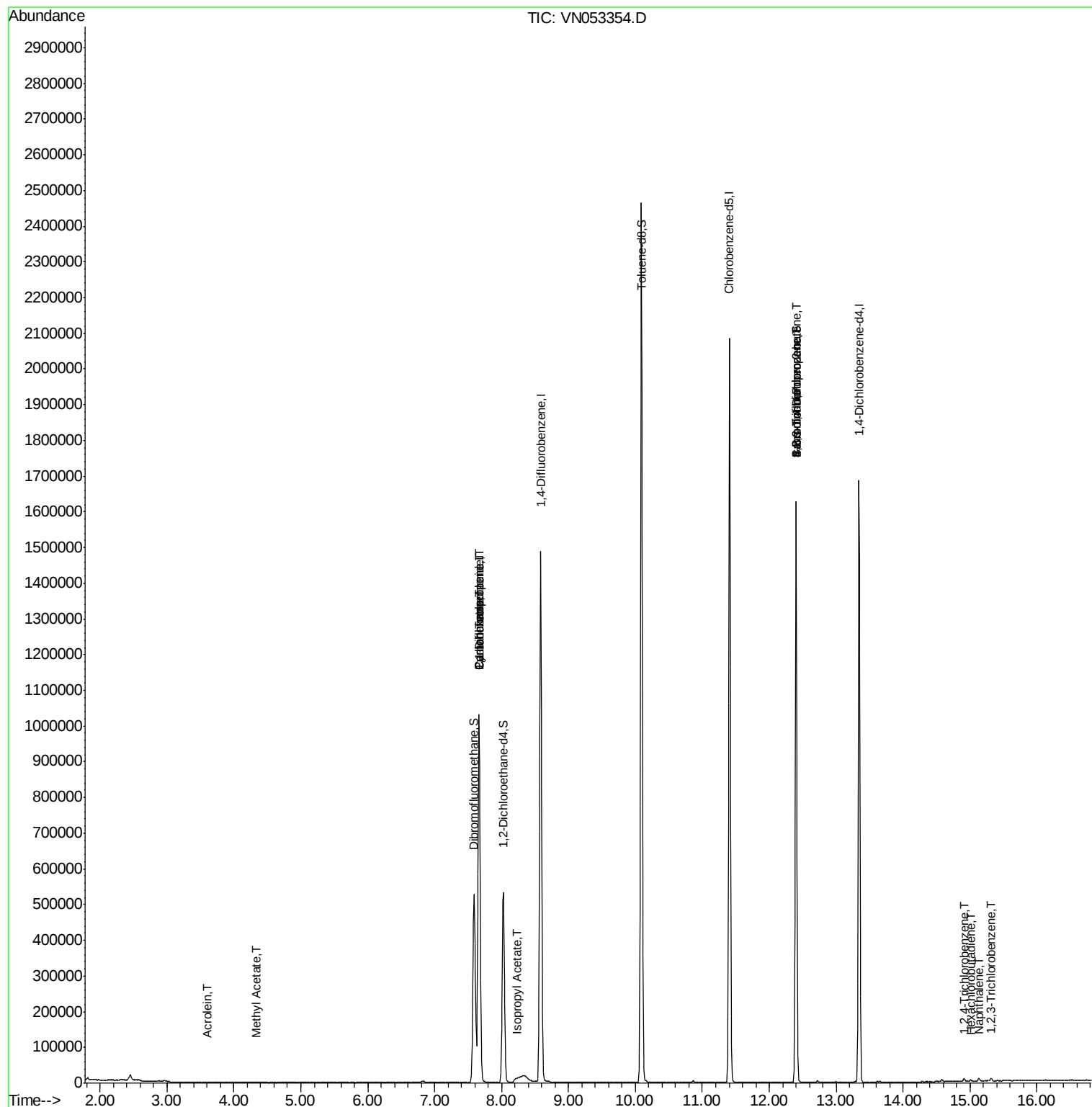
Quant Time: Jan 12 00:37:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

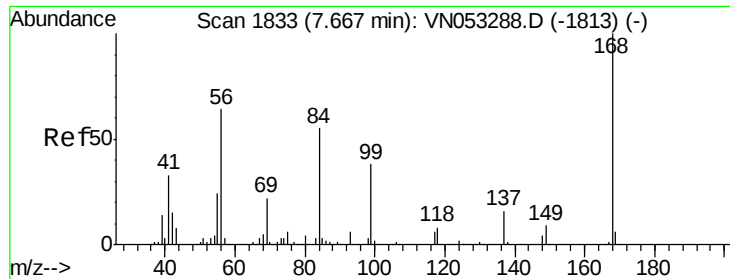
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	916861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1413177	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1270194	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	473183	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	448184	46.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.98%	
35) Dibromofluoromethane	7.59	113	409460	50.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.80%	
50) Toluene-d8	10.09	98	1747176	50.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.40	95	556831	45.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.66%	
Target Compounds						
					Qvalue	
13) Acrolein	3.60	56	165	0.229	ug/l #	82
16) Acetone	3.82	43	1699	Below Cal	#	40
18) Methyl Acetate	4.33	43	2309	0.267	ug/l #	59
31) Cyclohexane	7.66	56	14801	0.717	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	59479	4.508	ug/l #	48
38) Carbon Tetrachloride	7.66	117	79668	6.542	ug/l #	16
43) Isopropyl Acetate	8.22	43	9543	0.565	ug/l #	52
71) Bromoform	12.40	173	3579	0.525	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	259343	37.577	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	259343	110.558	ug/l #	14
93) 1,2,4-Trichlorobenzene	14.91	180	2820	0.578	ug/l	94
94) Hexachlorobutadiene	15.01	225	865	0.217	ug/l	90
95) Naphthalene	15.13	128	7047	0.847	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	3184	0.997	ug/l	91

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053354.D

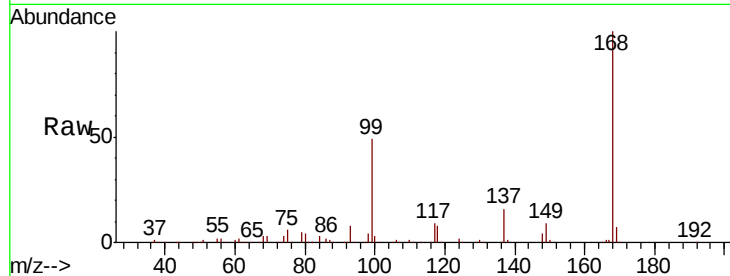
Acq: 11 Jan 2019 9:41

Tgt Ion: 168 Resp: 916861

Ion Ratio Lower Upper

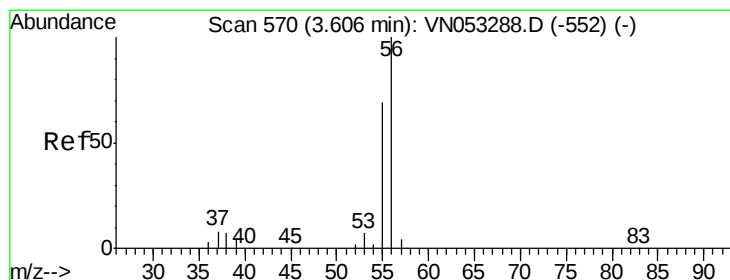
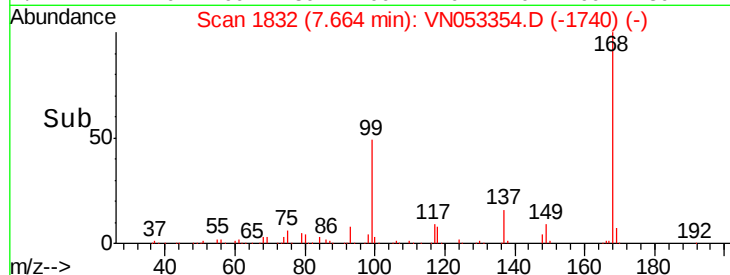
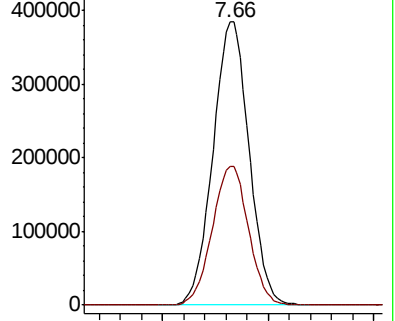
168 100

99 49.2 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#13

Acrolein

Concen: 0.229 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN053354.D

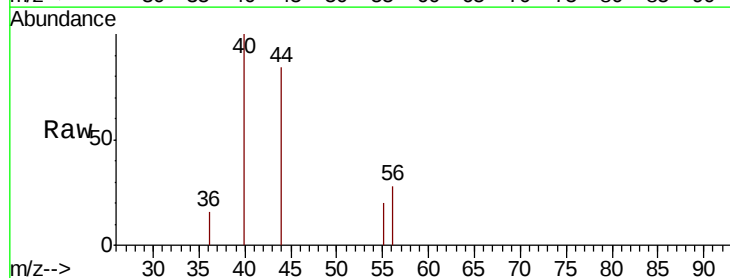
Acq: 11 Jan 2019 9:41

Tgt Ion: 56 Resp: 165

Ion Ratio Lower Upper

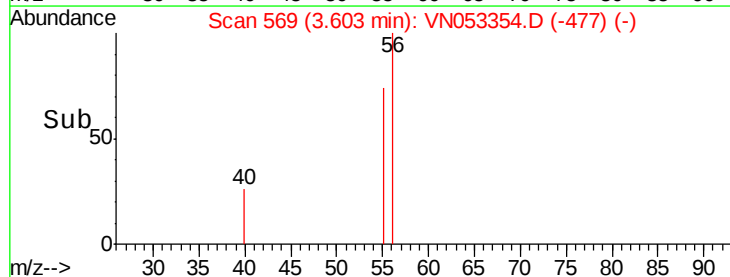
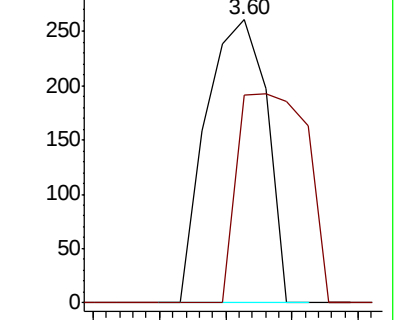
56 100

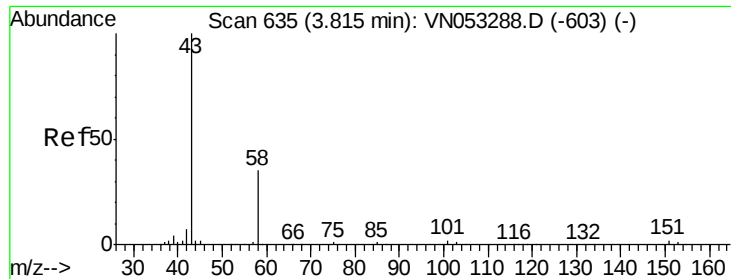
55 85.5 56.3 84.5#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053354.D

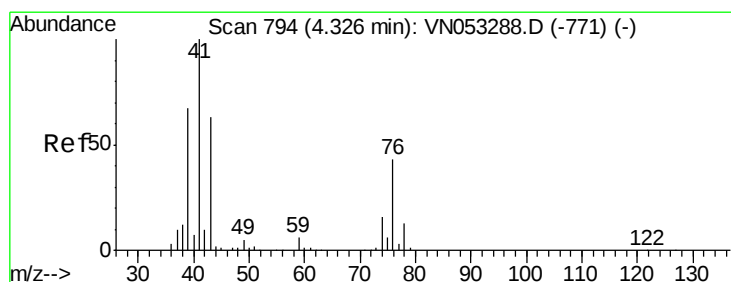
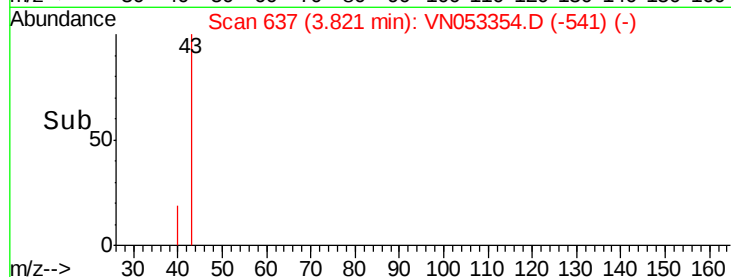
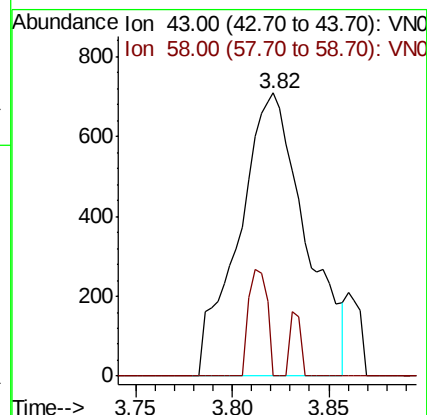
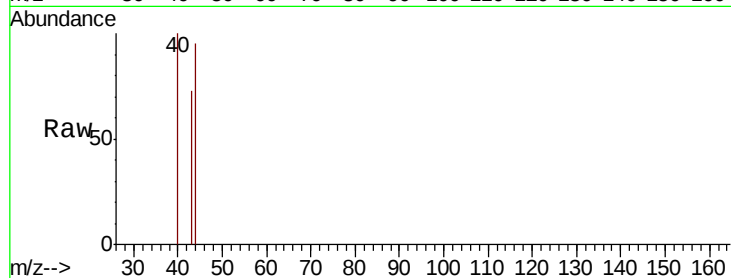
Acq: 11 Jan 2019 9:41

Tgt Ion: 43 Resp: 1699

Ion Ratio Lower Upper

43 100

58 0.0 27.8 41.6#



#18

Methyl Acetate

Concen: 0.267 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053354.D

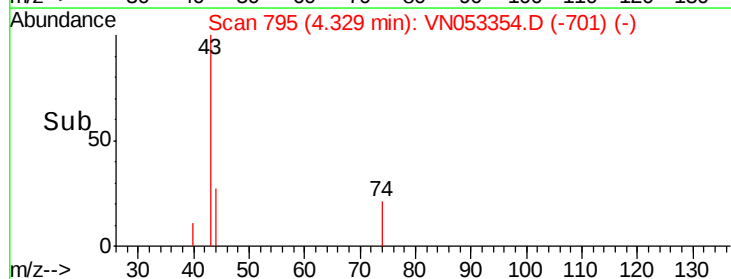
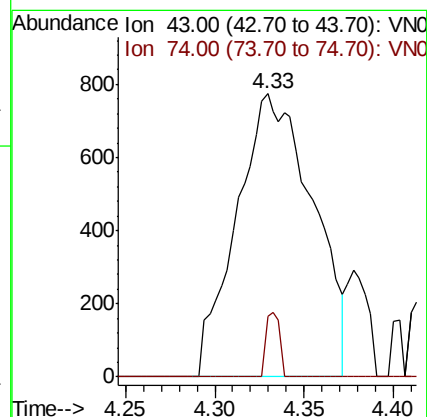
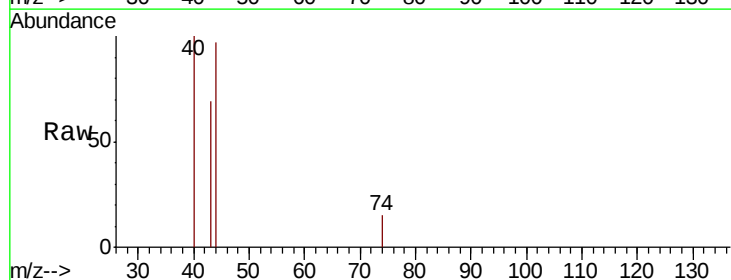
Acq: 11 Jan 2019 9:41

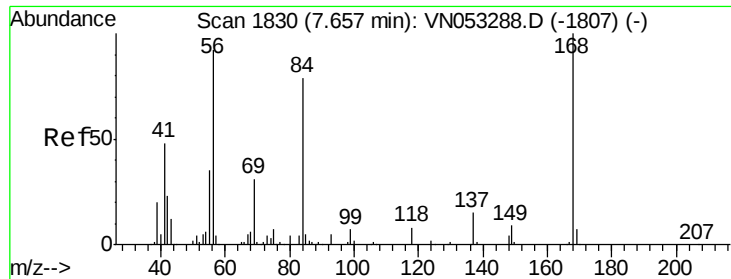
Tgt Ion: 43 Resp: 2309

Ion Ratio Lower Upper

43 100

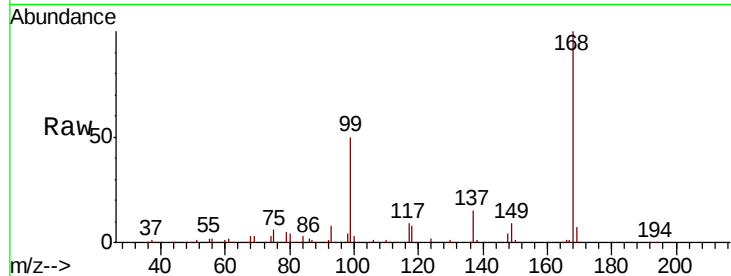
74 4.2 19.8 29.8#



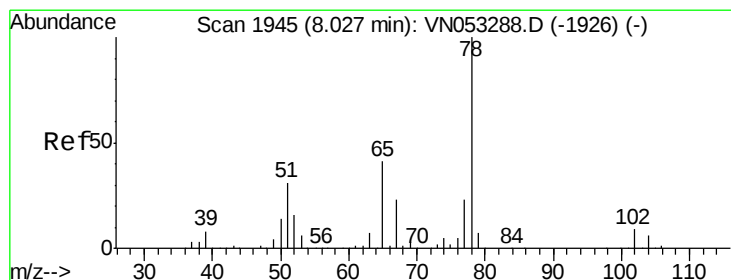
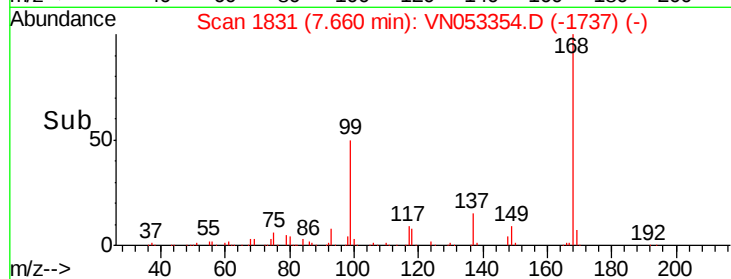
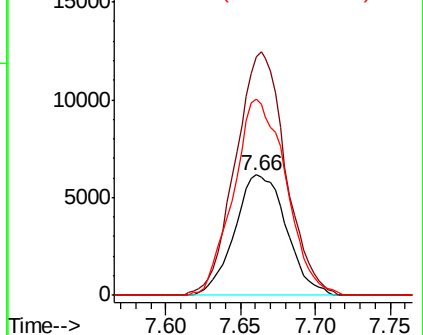


#31
Cyclohexane
Concen: 0.717 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VN053354.D
Acq: 11 Jan 2019 9:41

Tgt Ion: 56 Resp: 14801
Ion Ratio Lower Upper
56 100
69 197.8 26.7 40.1#
84 163.3 68.2 102.4#

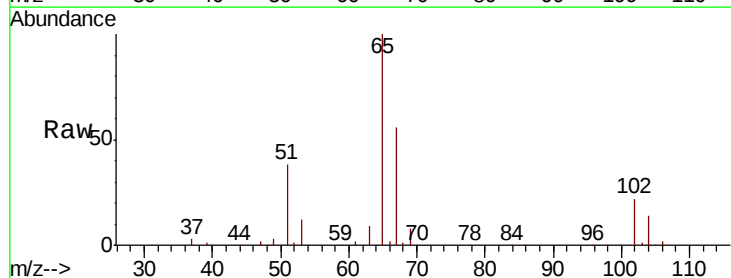


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

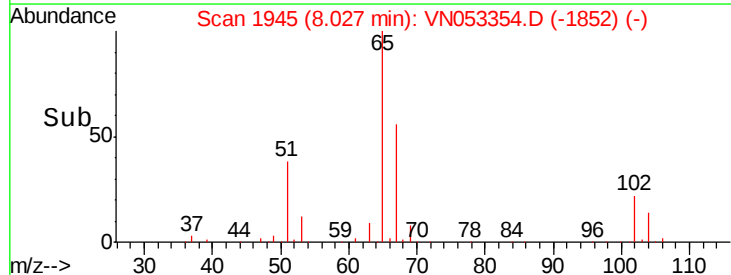
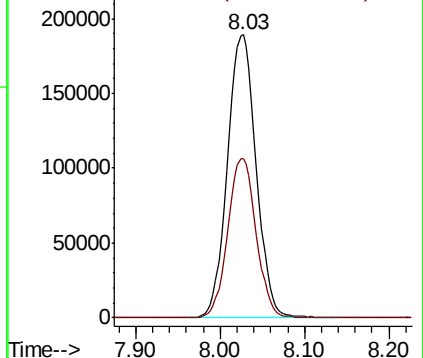


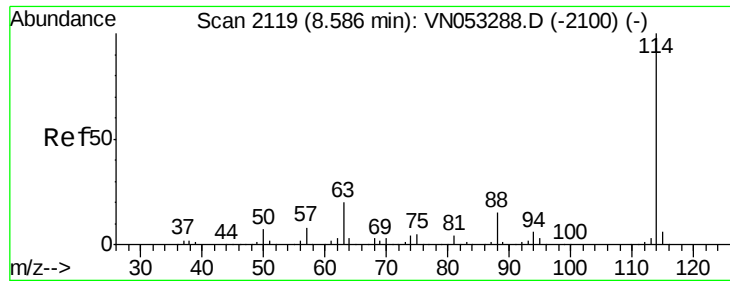
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN053354.D
Acq: 11 Jan 2019 9:41

Tgt Ion: 65 Resp: 448184
Ion Ratio Lower Upper
65 100
67 55.5 0.0 111.0



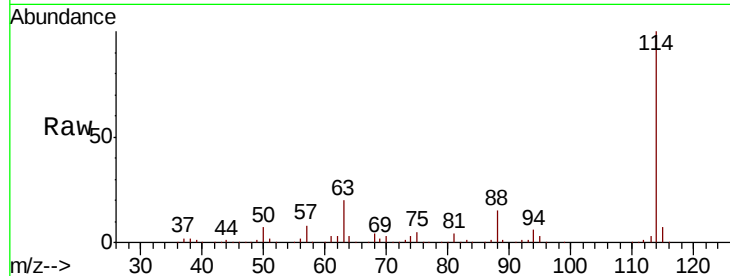
Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0



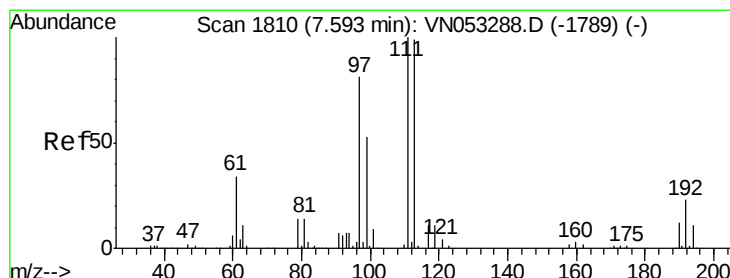
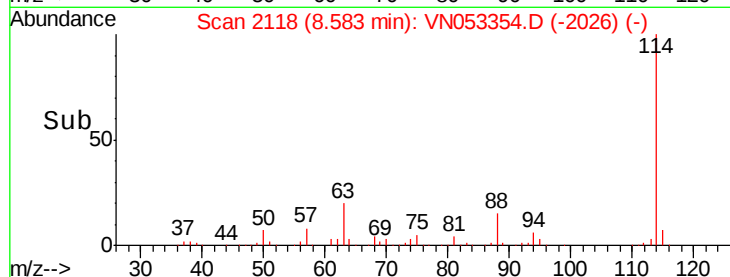
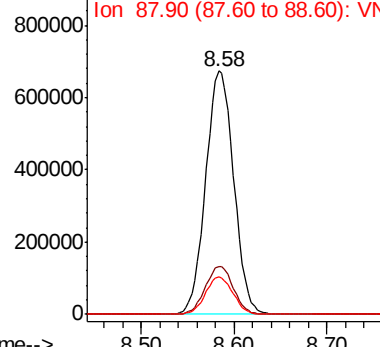


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VN053354.D
Acq: 11 Jan 2019 9:41

Tgt Ion:114 Resp: 1413177
Ion Ratio Lower Upper
114 100
63 19.7 0.0 39.0
88 15.4 0.0 30.8

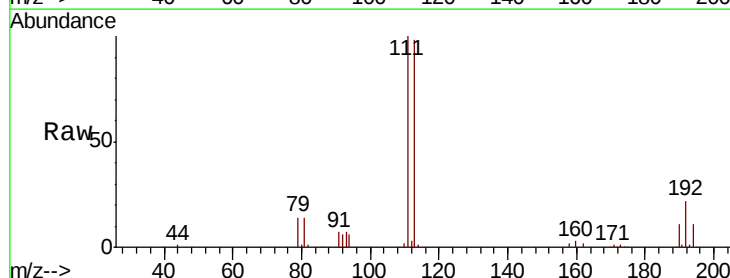


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

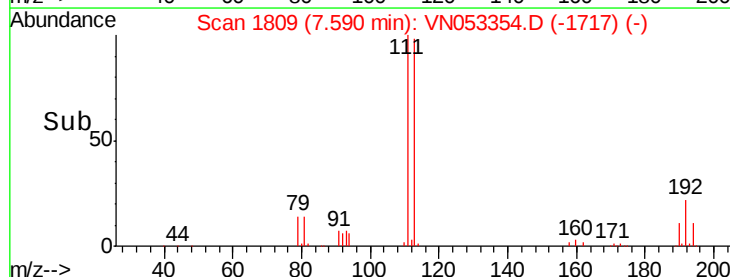
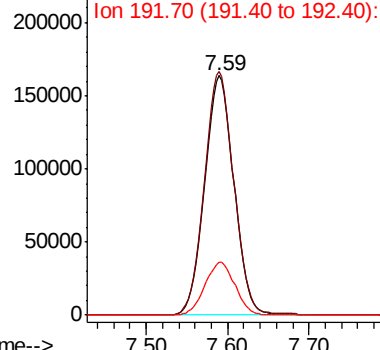


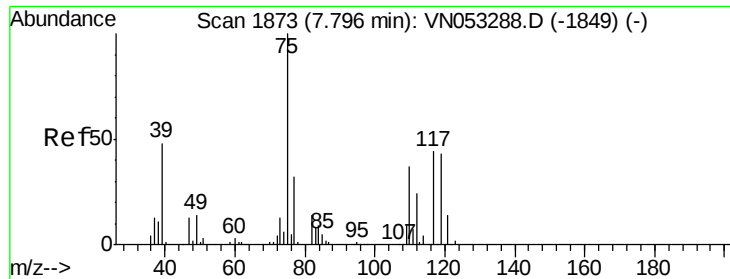
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053354.D
Acq: 11 Jan 2019 9:41

Tgt Ion:113 Resp: 409460
Ion Ratio Lower Upper
113 100
111 101.9 81.4 122.2
192 22.7 17.9 26.9



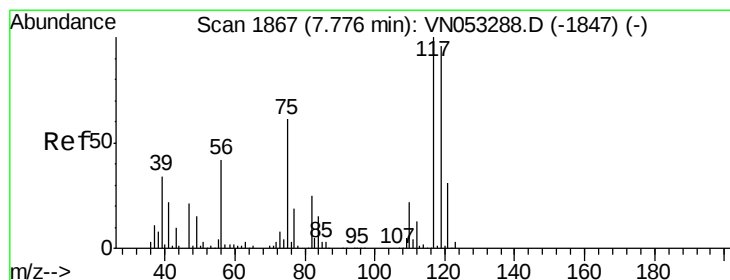
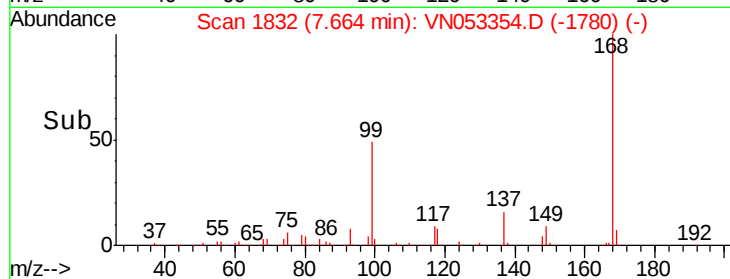
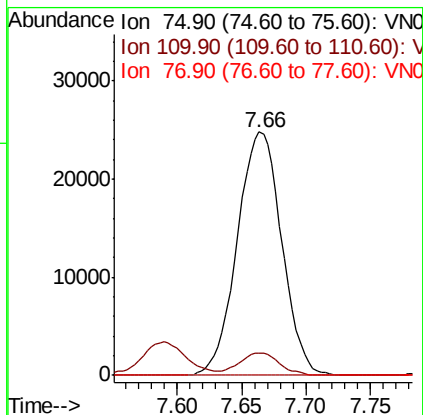
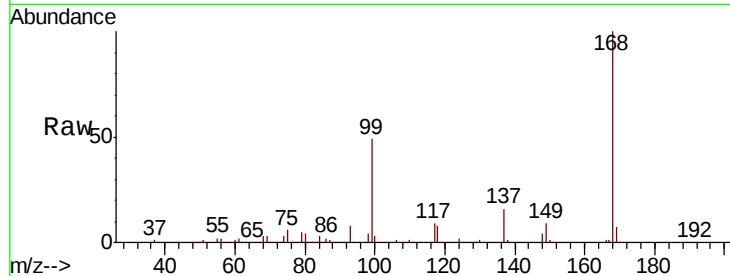
Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





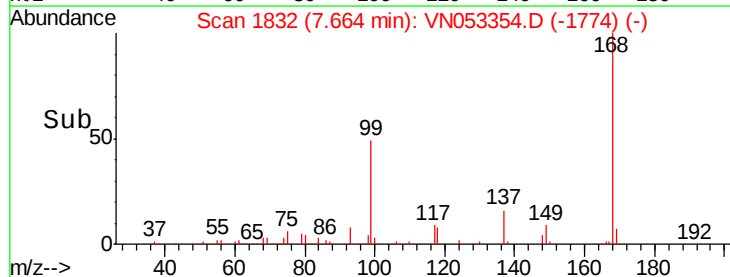
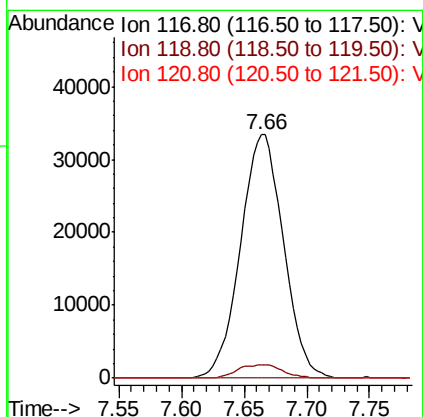
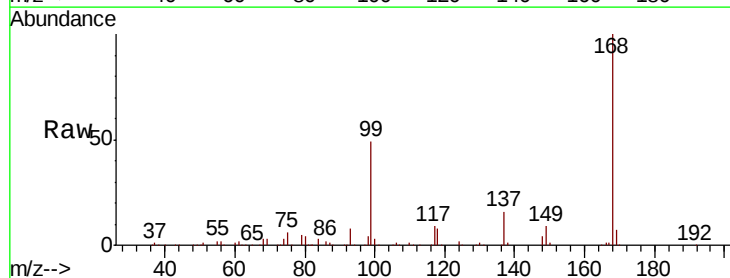
#36
 1,1-Dichloropropene
 Concen: 4.508 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053354.D
 Acq: 11 Jan 2019 9:41

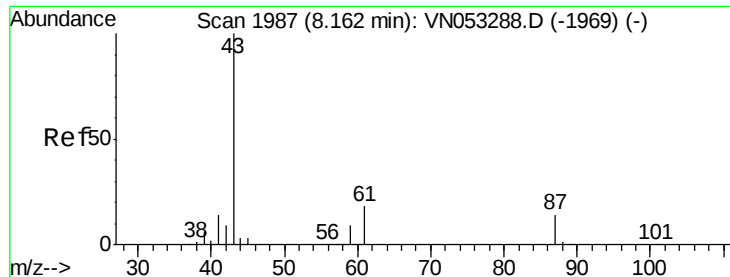
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	18.4	55.0#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 6.542 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN053354.D
 Acq: 11 Jan 2019 9:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	76.6	115.0#
121	0.0	25.0	37.4#





#43

Isopropyl Acetate

Concen: 0.565 ug/l

RT: 8.22 min Scan# 2005

Delta R.T. 0.06 min

Lab File: VN053354.D

Acq: 11 Jan 2019 9:41

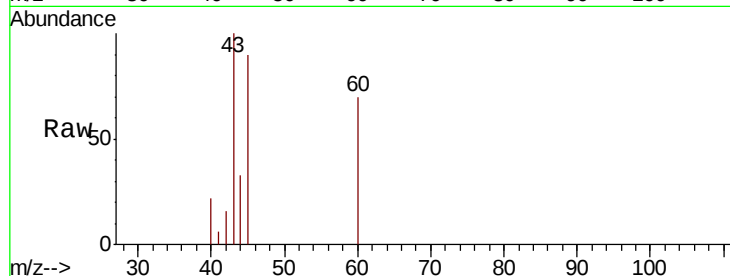
Tgt Ion: 43 Resp: 9543

Ion Ratio Lower Upper

43 100

61 0.0 23.3 34.9#

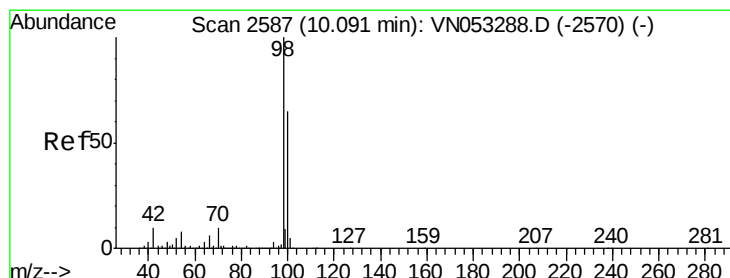
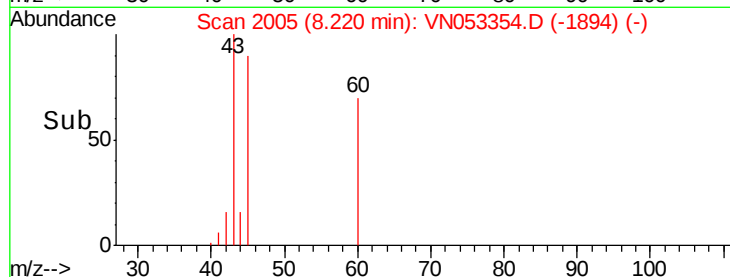
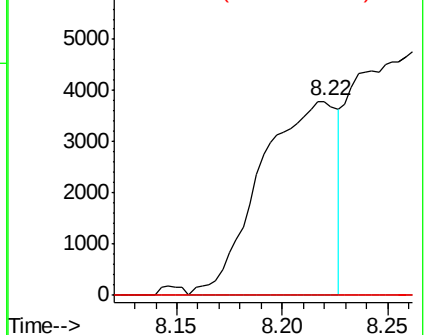
87 0.0 10.8 16.2#



Abundance Ion 43.00 (42.70 to 43.70): VN053354.D (-2005) (-)

Ion 61.00 (60.70 to 61.70): VN053354.D (-2005) (-)

Ion 87.00 (86.70 to 87.70): VN053354.D (-2005) (-)



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN053354.D

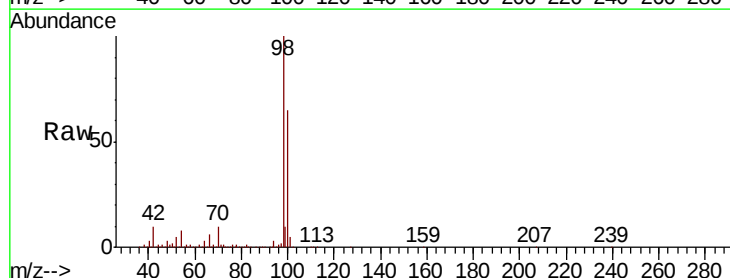
Acq: 11 Jan 2019 9:41

Tgt Ion: 98 Resp: 1747176

Ion Ratio Lower Upper

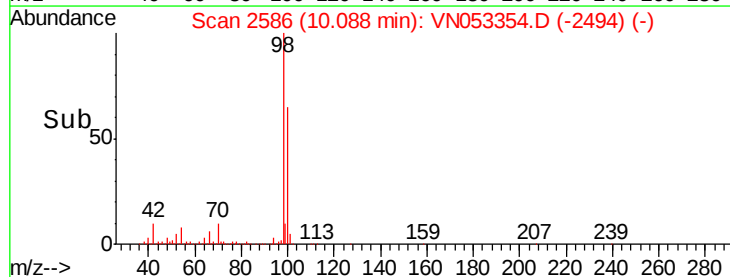
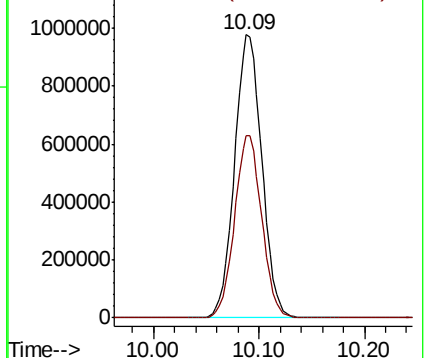
98 100

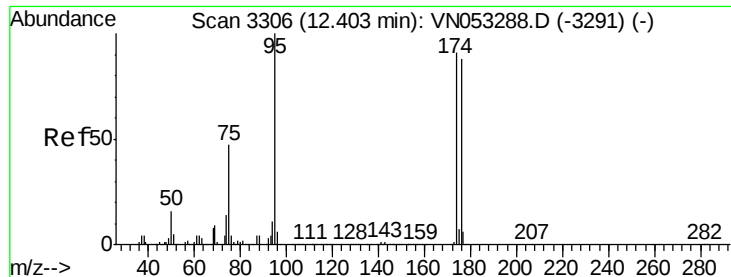
100 64.2 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN053354.D (-2586) (-)

Ion 100.00 (99.70 to 100.70): VN053354.D (-2586) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

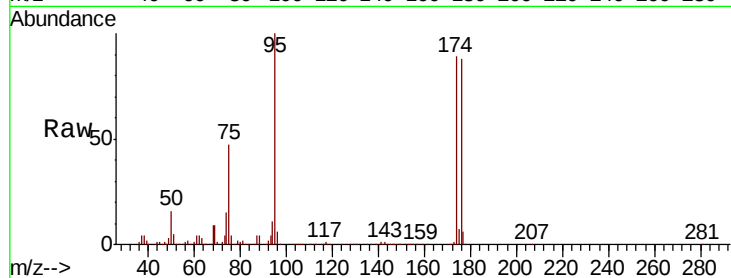
RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053354.D

Acq: 11 Jan 2019 9:41

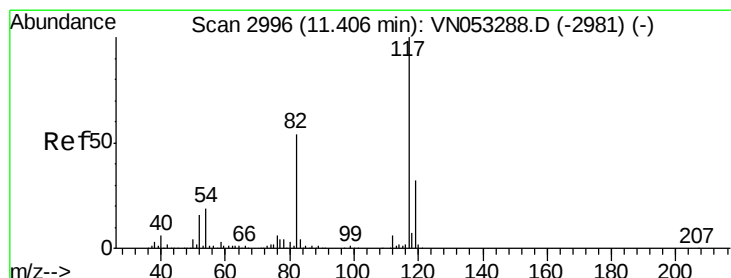
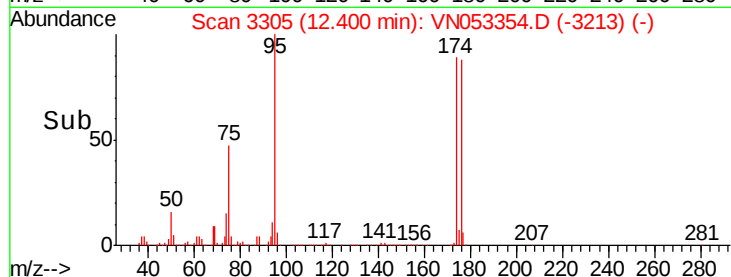
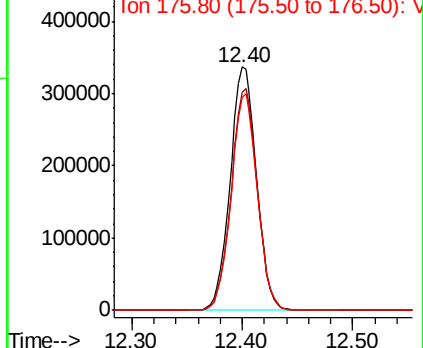
Tgt Ion:	95	Resp:	556831
Ion	Ratio	Lower	Upper
95	100		
174	90.4	0.0	180.4
176	88.1	0.0	175.6



Abundance Ion 94.90 (94.60 to 95.60): VN053288.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053288.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053288.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

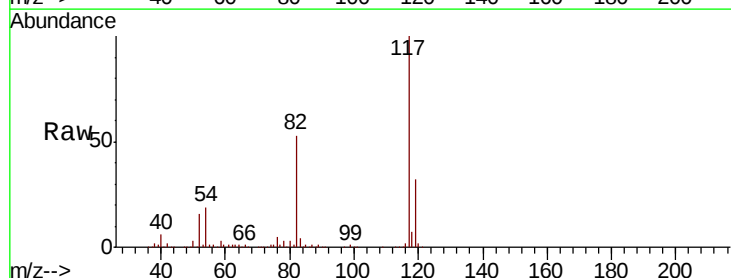
RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053354.D

Acq: 11 Jan 2019 9:41

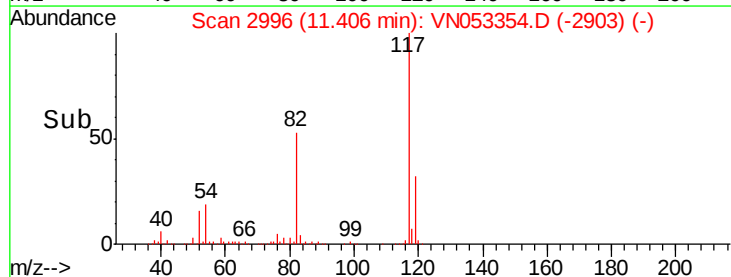
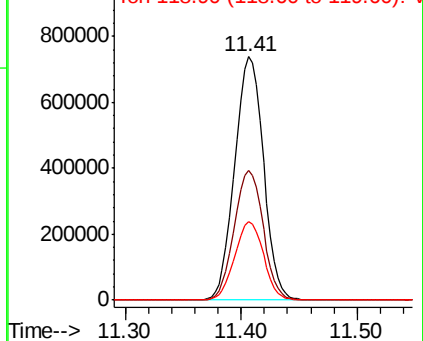
Tgt Ion:	117	Resp:	1270194
Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.9	64.3
119	32.2	25.6	38.4

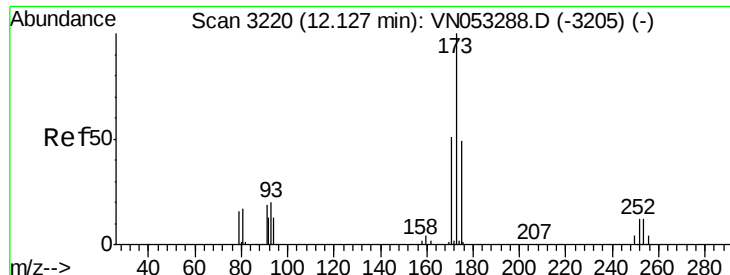


Abundance Ion 116.90 (116.60 to 117.60): VN053288.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN053288.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN053288.D (-2981) (-)





#71

Bromoform

Concen: 0.525 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053354.D

Acq: 11 Jan 2019 9:41

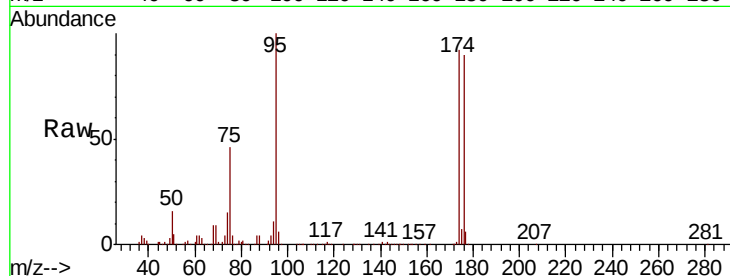
Tgt Ion:173 Resp: 3579

Ion Ratio Lower Upper

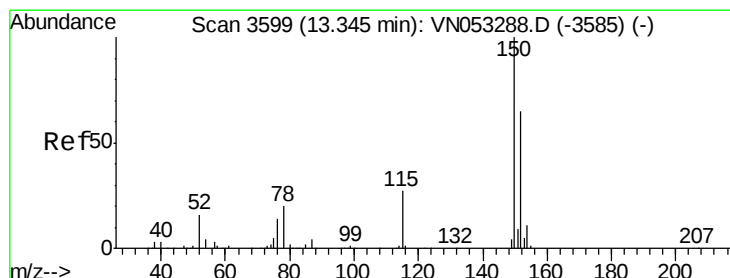
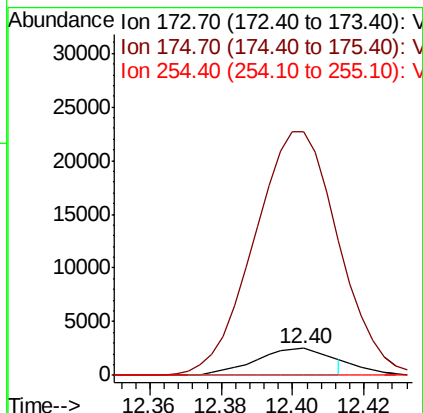
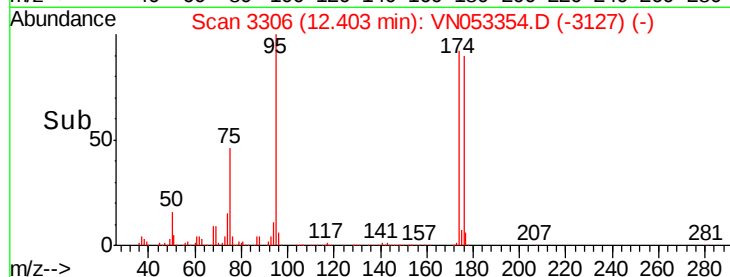
173 100

175 927.2 24.3 72.8#

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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053354.D

Acq: 11 Jan 2019 9:41

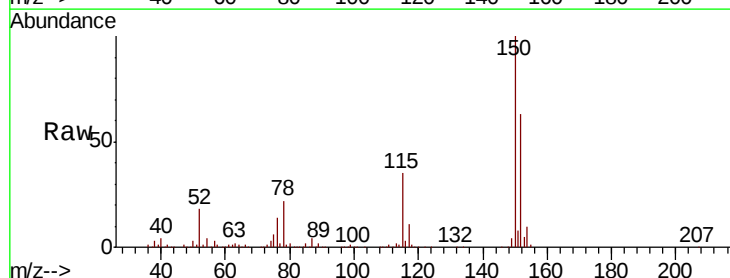
Tgt Ion:152 Resp: 473183

Ion Ratio Lower Upper

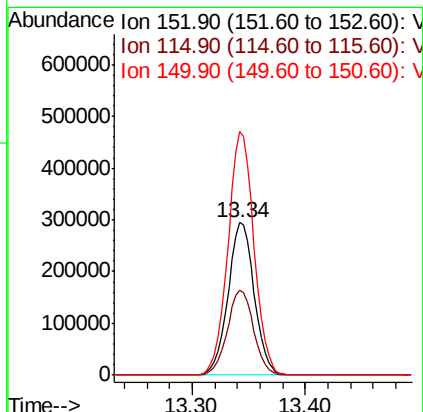
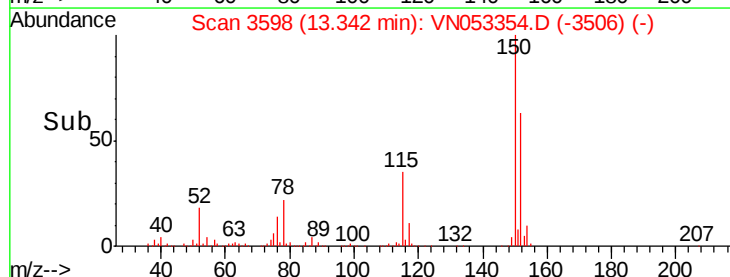
152 100

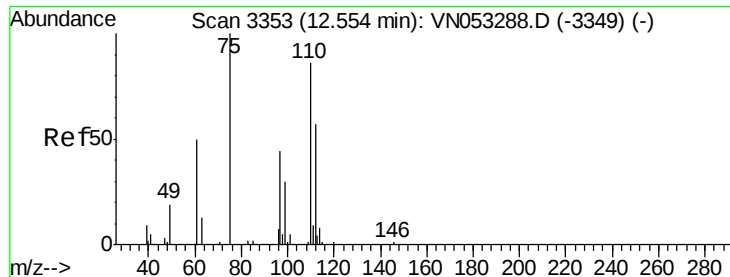
115 55.8 28.0 84.0

150 158.3 0.0 346.6



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: 37.577 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053354.D

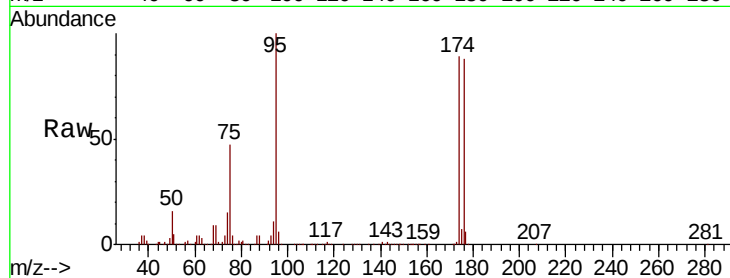
Acq: 11 Jan 2019 9:41

Tgt Ion: 75 Resp: 259343

Ion Ratio Lower Upper

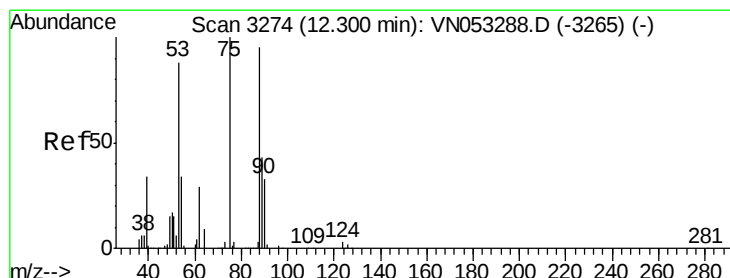
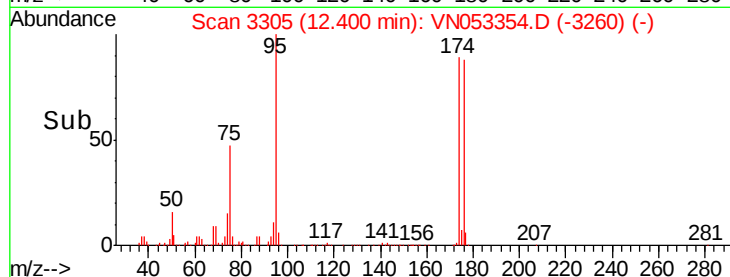
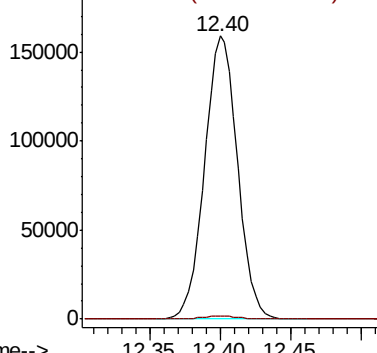
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 110.558 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053354.D

Acq: 11 Jan 2019 9:41

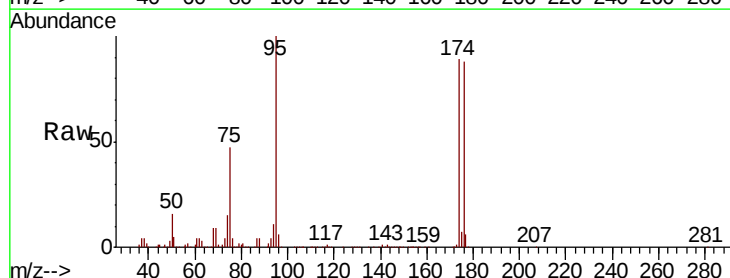
Tgt Ion: 75 Resp: 259343

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

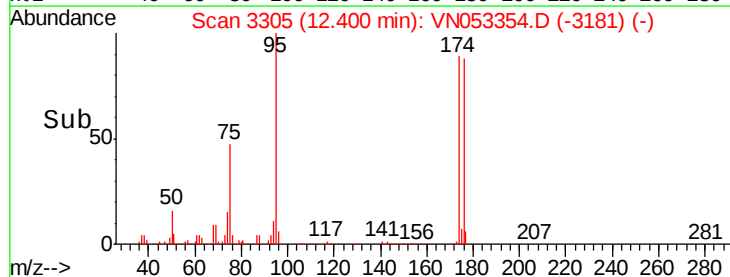
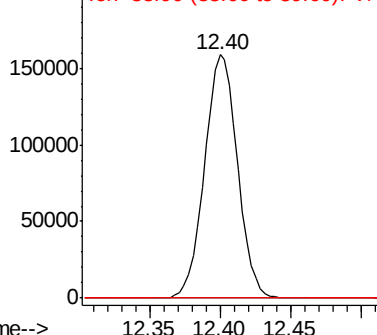
89 0.0 35.4 53.0#

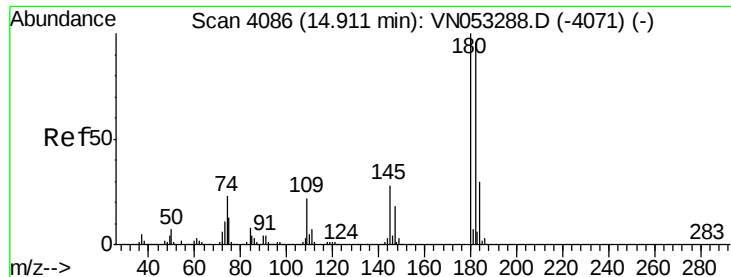


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

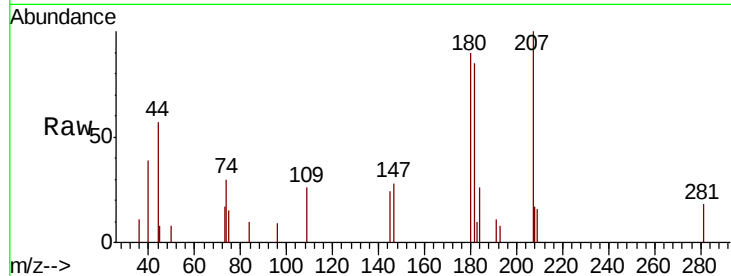
Ion 88.90 (88.60 to 89.60): VNO



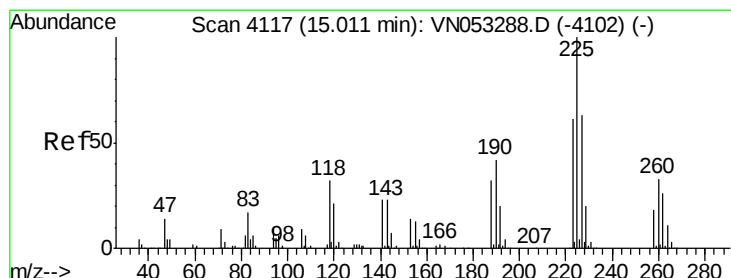
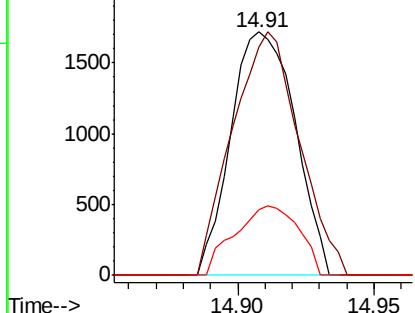
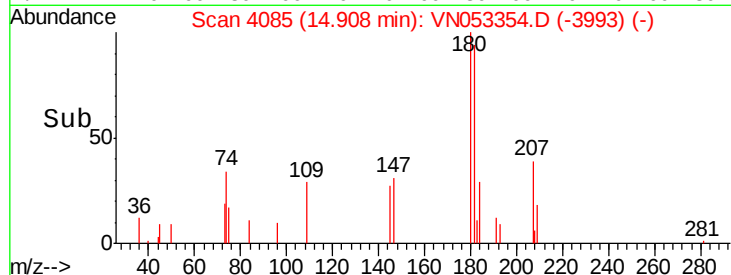


#93
 1,2,4-Trichlorobenzene
 Concen: 0.578 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN053354.D
 Acq: 11 Jan 2019 9:41

Tgt Ion:180 Resp: 2820
 Ion Ratio Lower Upper
 180 100
 182 103.4 47.8 143.4
 145 28.4 14.4 43.0

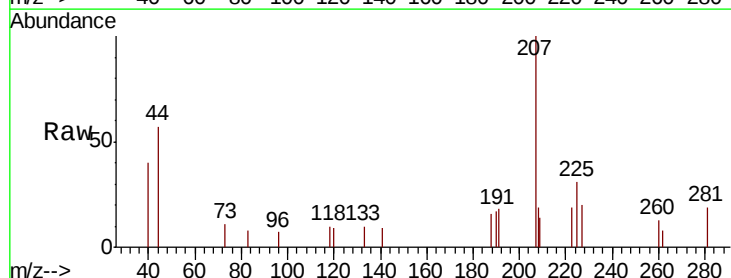


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

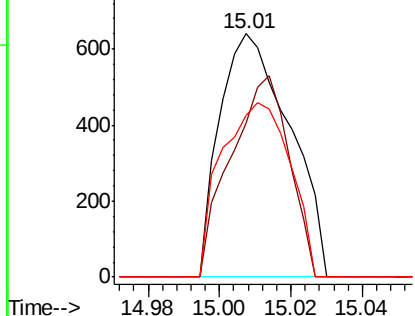
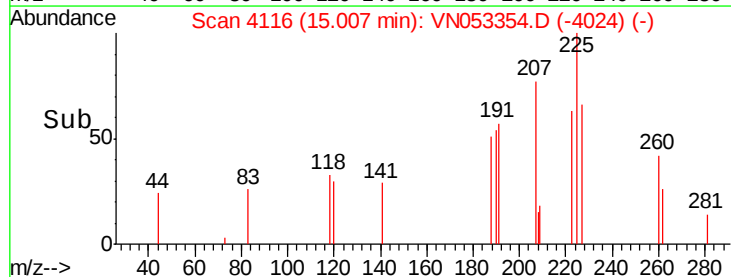


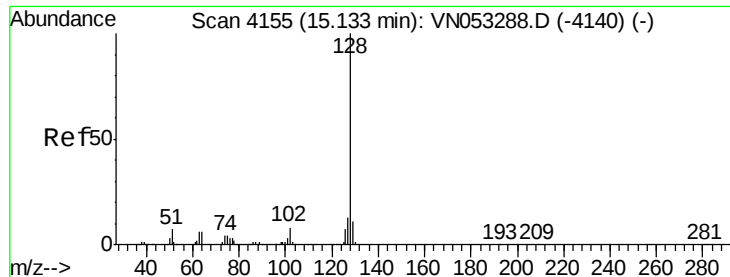
#94
 Hexachlorobutadiene
 Concen: 0.217 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053354.D
 Acq: 11 Jan 2019 9:41

Tgt Ion:225 Resp: 865
 Ion Ratio Lower Upper
 225 100
 223 69.1 30.9 92.8
 227 70.3 31.4 94.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.847 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053354.D

Acq: 11 Jan 2019 9:41

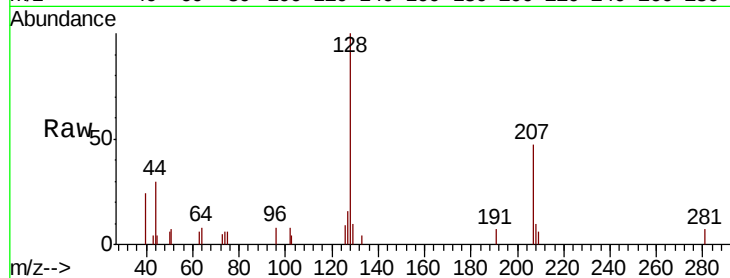
Tgt Ion:128 Resp: 7047

Ion Ratio Lower Upper

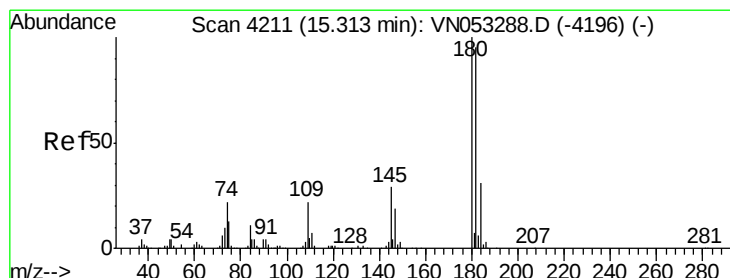
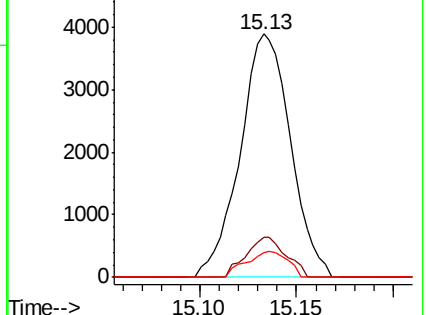
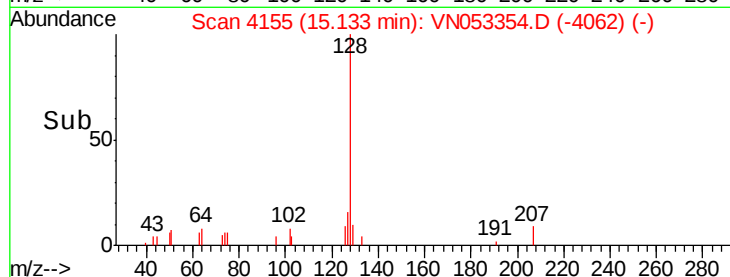
128 100

127 13.1 10.4 15.6

129 8.7 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



#96

1,2,3-Trichlorobenzene

Concen: 0.997 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN053354.D

Acq: 11 Jan 2019 9:41

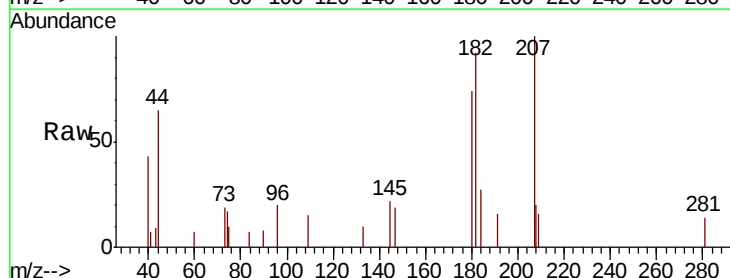
Tgt Ion:180 Resp: 3184

Ion Ratio Lower Upper

180 100

182 107.1 48.4 145.0

145 31.3 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

