

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111318\
 Data File : VN052278.D
 Acq On : 13 Nov 2018 11:08
 Operator : MD\SY
 Sample : VN1113WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 14 00:07:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	332109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	551442	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	451973	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	154328	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	217728	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
35) Dibromofluoromethane	7.59	113	174856	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
50) Toluene-d8	10.09	98	676630	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
62) 4-Bromofluorobenzene	12.40	95	190512	42.14	ug/l	0.00
Spiked Amount			Recovery	=	84.28%	

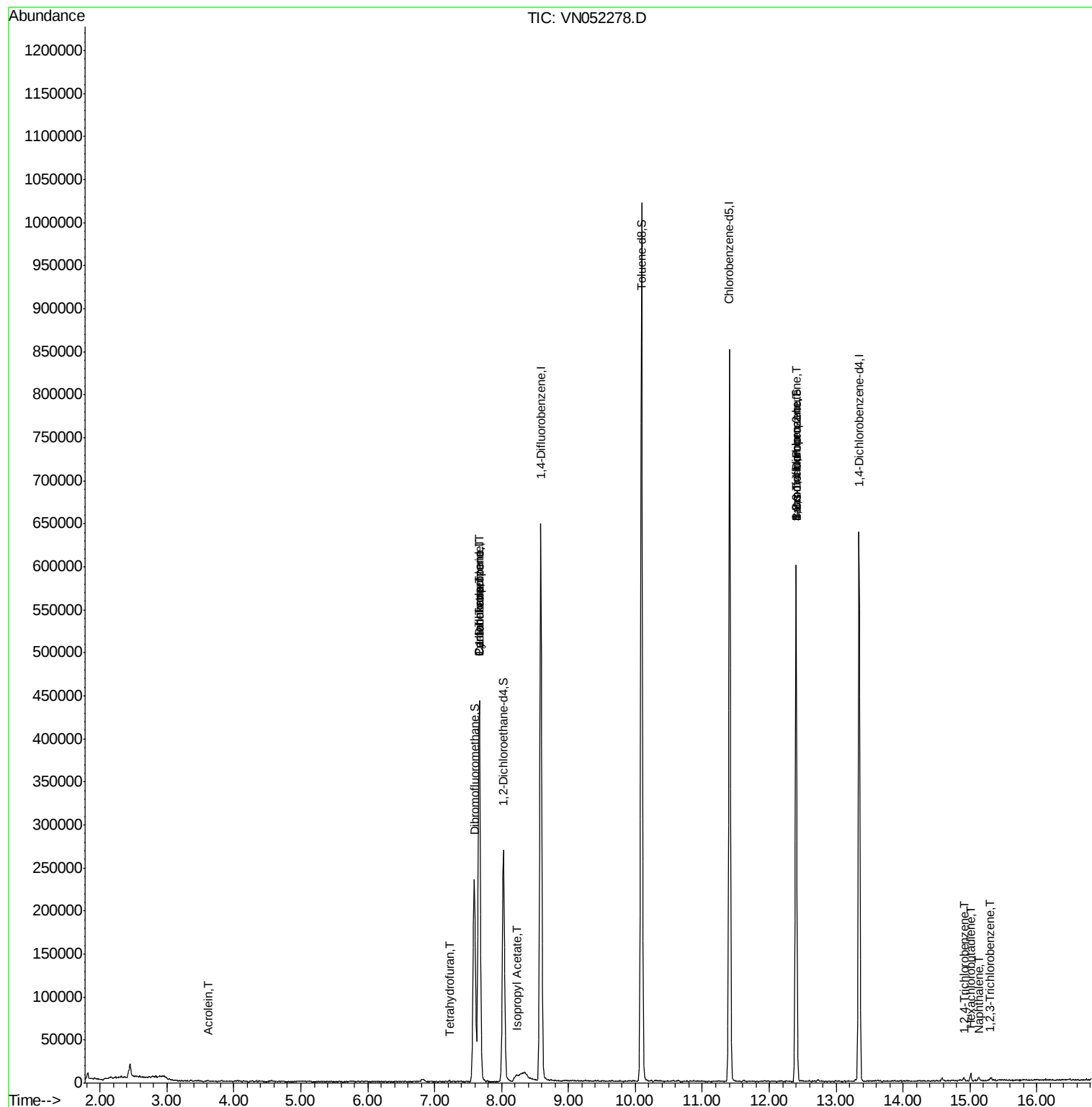
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	31	34.173	ug/l #	1
16) Acetone	3.81	43	1381	Below Cal	#	46
29) Tetrahydrofuran	7.22	42	649	0.515	ug/l #	53
31) Cyclohexane	7.67	56	10091	0.756	ug/l #	36
36) 1,1-Dichloropropene	7.66	75	30279	5.440	ug/l #	51
38) Carbon Tetrachloride	7.67	117	34346	6.809	ug/l #	17
43) Isopropyl Acetate	8.22	43	6330	0.867	ug/l #	64
71) Bromoform	12.40	173	2065	1.067	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	105308	38.568	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	105308	131.649	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.91	180	1028	0.518	ug/l	96
94) Hexachlorobutadiene	15.01	225	1202	1.115	ug/l	92
95) Naphthalene	15.13	128	2515	0.514	ug/l	96
96) 1,2,3-Trichlorobenzene	15.31	180	915	0.488	ug/l	65

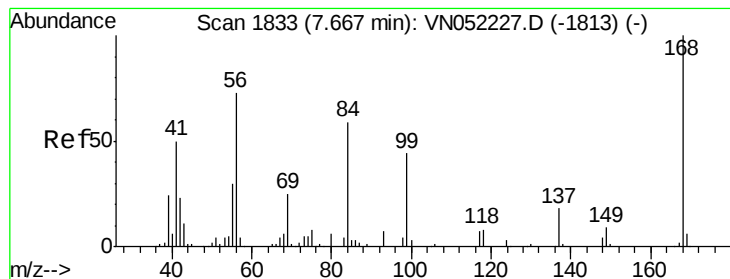
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN052278.D

Acq: 13 Nov 2018 11:08

Instrument :

MSVOA_N

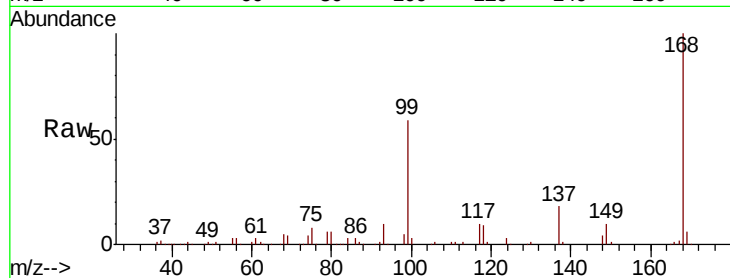
ClientSampleId :

Tot Ion:168 Resp: 332109

Ion Ratio Lower Upper

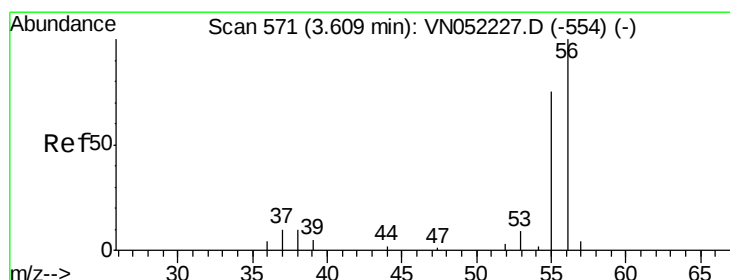
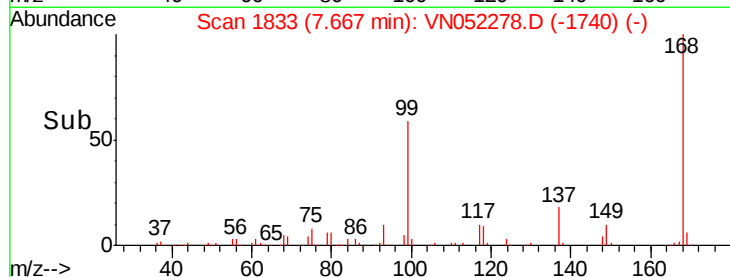
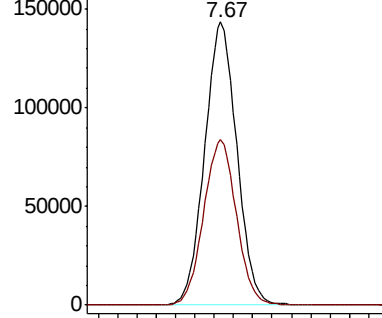
168 100

99 58.6 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#13

Acrolein

Concen: 34.173 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN052278.D

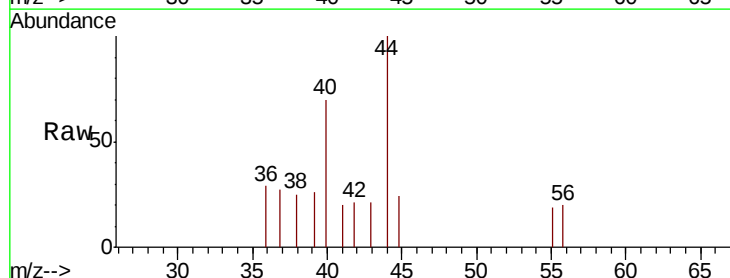
Acq: 13 Nov 2018 11:08

Tgt Ion: 56 Resp: 31

Ion Ratio Lower Upper

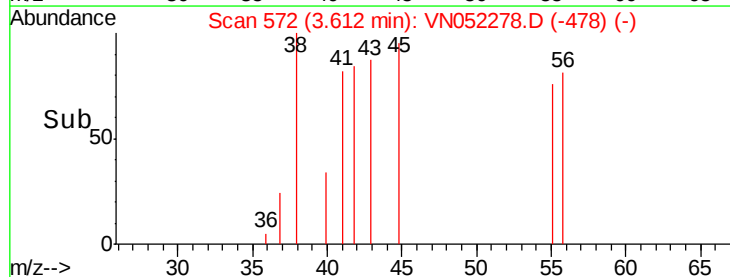
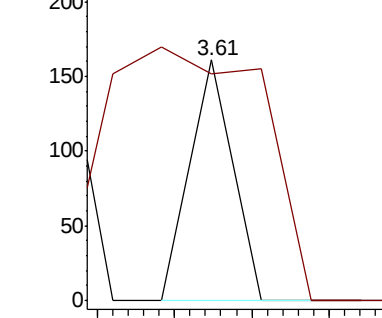
56 100

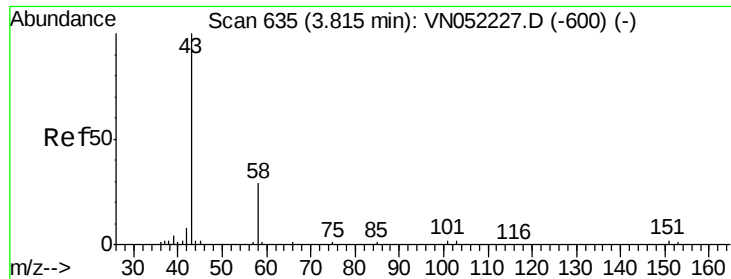
55 390.3 59.9 89.9#



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: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN052278.D

Acq: 13 Nov 2018 11:08

Instrument :

MSVOA_N

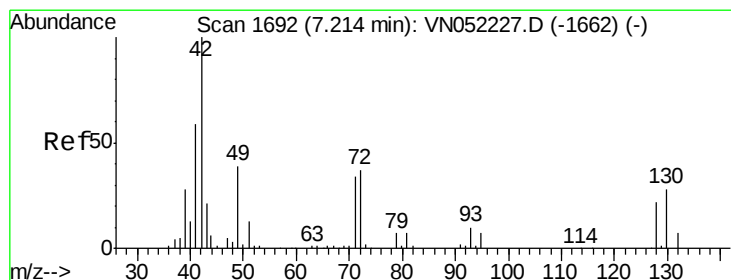
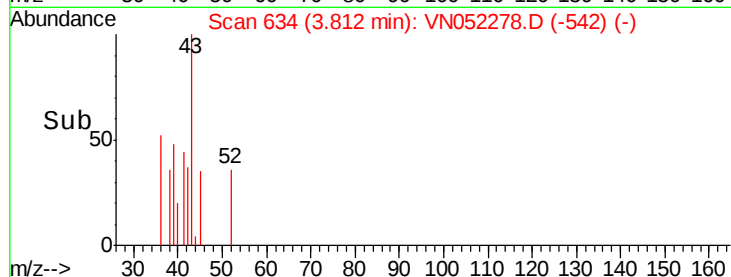
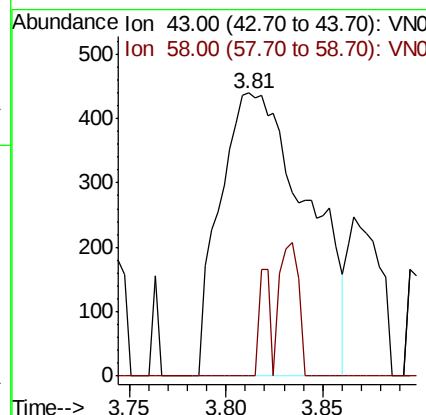
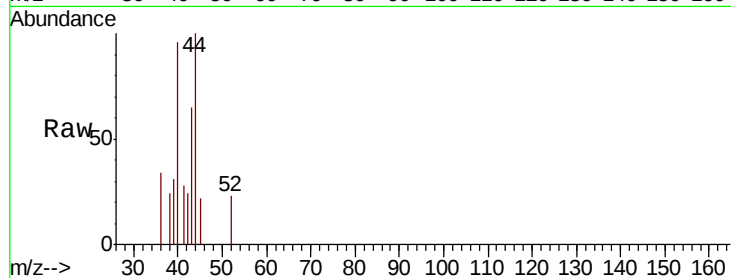
ClientSampled :

Tot Ion: 43 Resp: 1381

Ion Ratio Lower Upper

43 100

58 0.0 23.0 34.6#



#29

Tetrahydrofuran

Concen: 0.515 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN052278.D

Acq: 13 Nov 2018 11:08

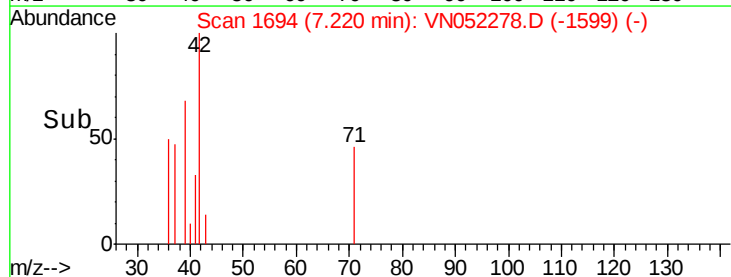
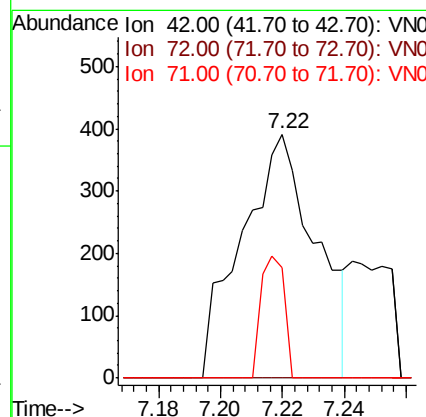
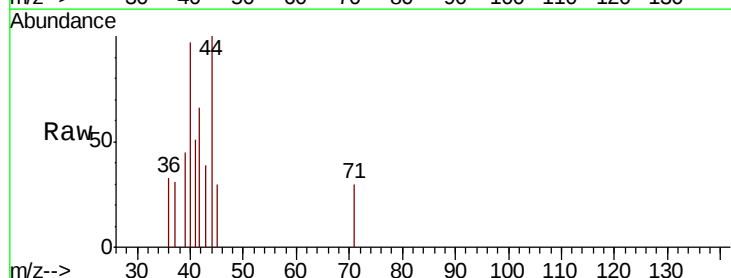
Tgt Ion: 42 Resp: 649

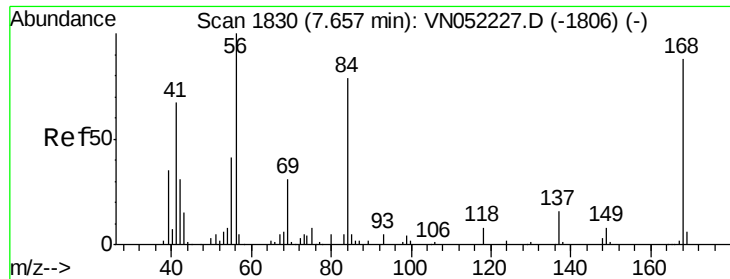
Ion Ratio Lower Upper

42 100

72 0.0 28.6 43.0#

71 16.0 27.1 40.7#

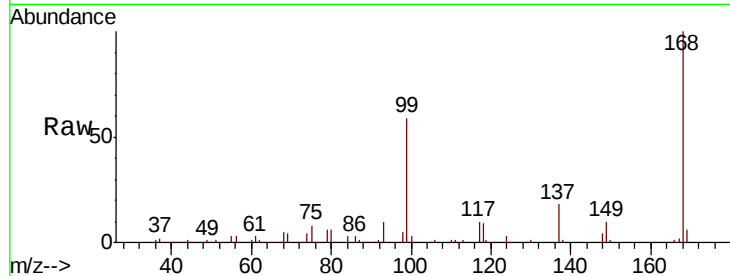




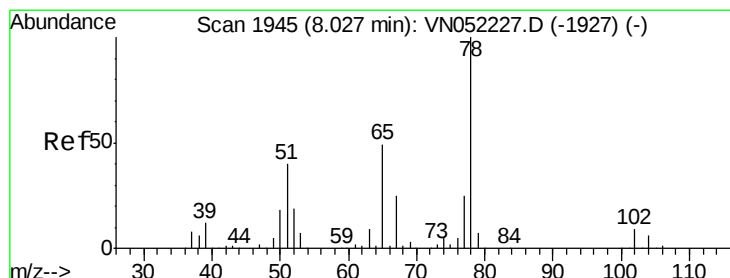
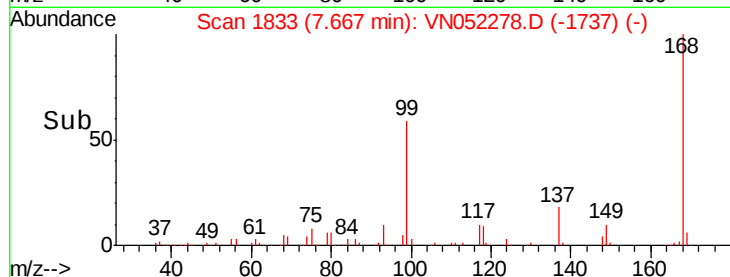
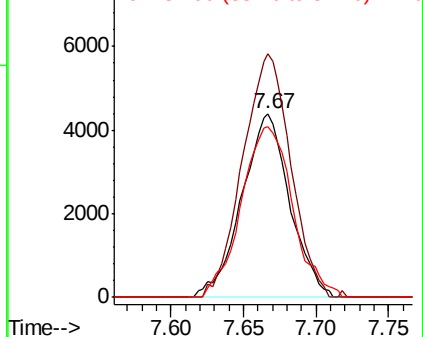
#31
Cyclohexane
Concen: 0.756 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052278.D
Acq: 13 Nov 2018 11:08

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 10091
Ion Ratio Lower Upper
56 100
69 132.7 24.8 37.2#
84 92.8 63.1 94.7

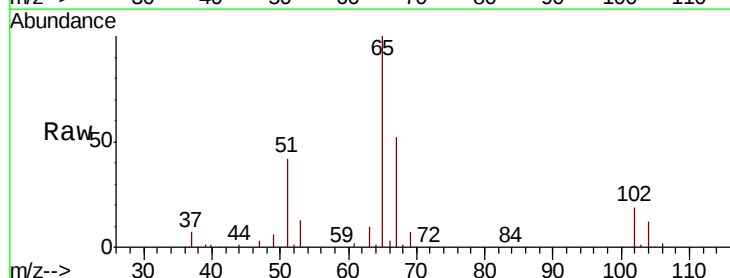


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

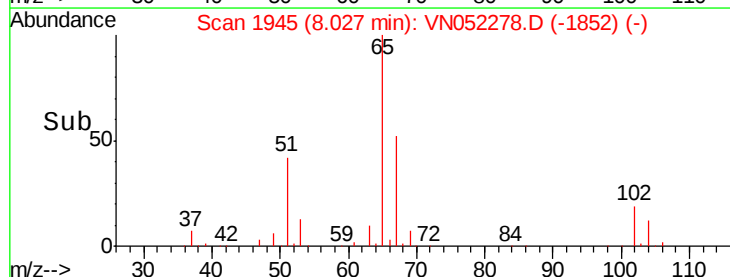
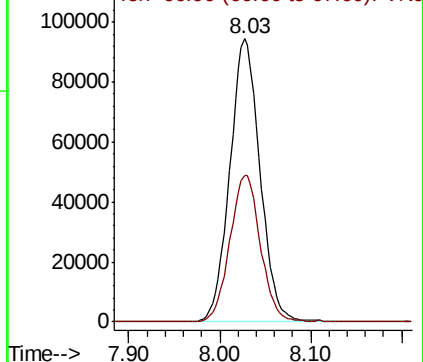


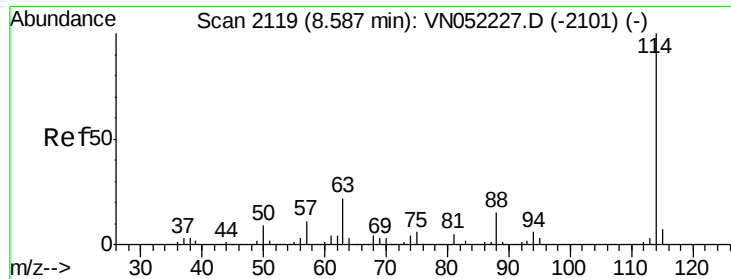
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN052278.D
Acq: 13 Nov 2018 11:08

Tgt Ion: 65 Resp: 217728
Ion Ratio Lower Upper
65 100
67 52.3 0.0 106.6



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

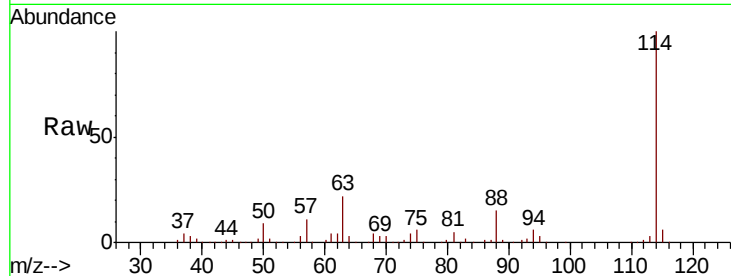




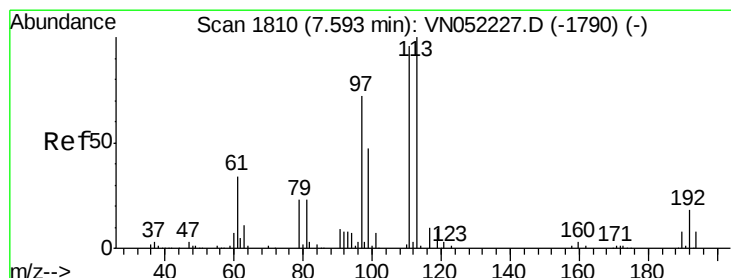
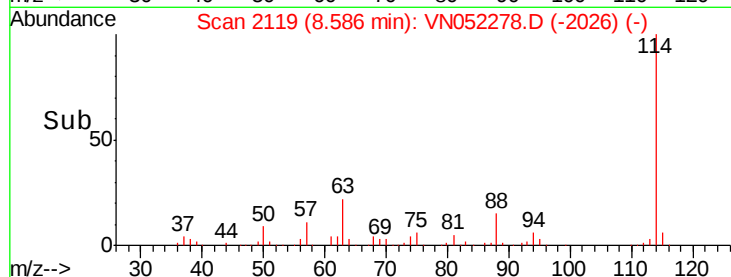
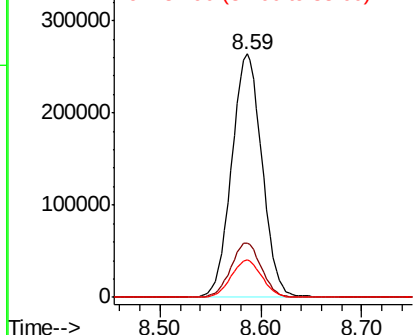
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN052278.D
Acq: 13 Nov 2018 11:08

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 551442
Ion Ratio Lower Upper
114 100
63 22.3 0.0 43.4
88 15.2 0.0 30.2

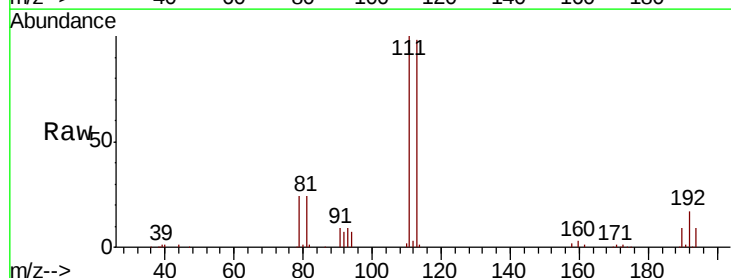


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

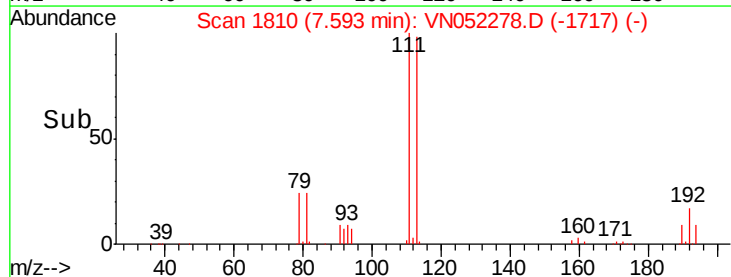
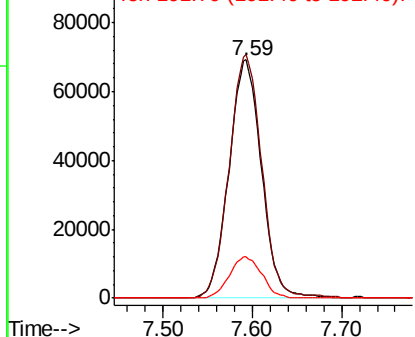


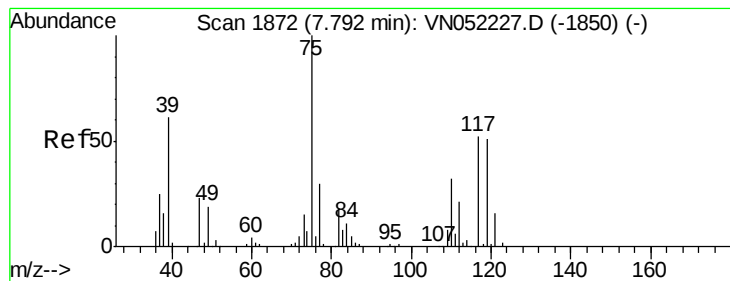
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN052278.D
Acq: 13 Nov 2018 11:08

Tgt Ion:113 Resp: 174856
Ion Ratio Lower Upper
113 100
111 102.7 80.2 120.4
192 17.4 14.1 21.1



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: 5.440 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN052278.D

Acq: 13 Nov 2018 11:08

Instrument :
MSVOA_N
ClientSampleId :

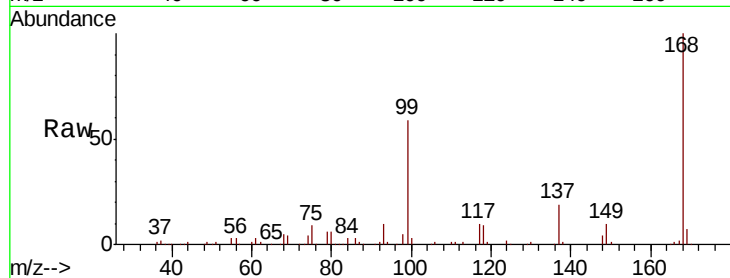
Tot Ion: 75 Resp: 30279

Ion Ratio Lower Upper

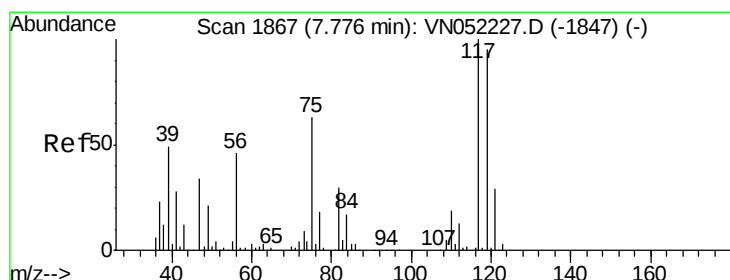
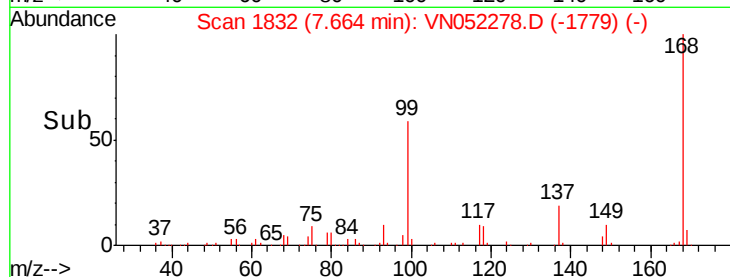
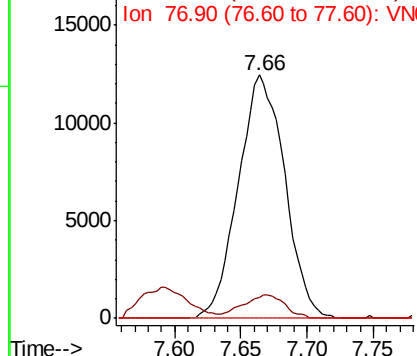
75 100

110 8.6 16.4 49.4#

77 0.0 23.9 35.9#



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: 6.809 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052278.D

Acq: 13 Nov 2018 11:08

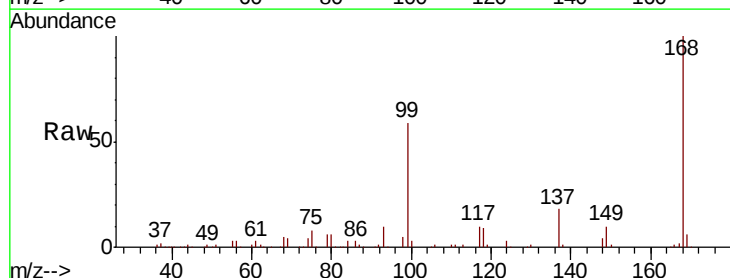
Tgt Ion: 117 Resp: 34346

Ion Ratio Lower Upper

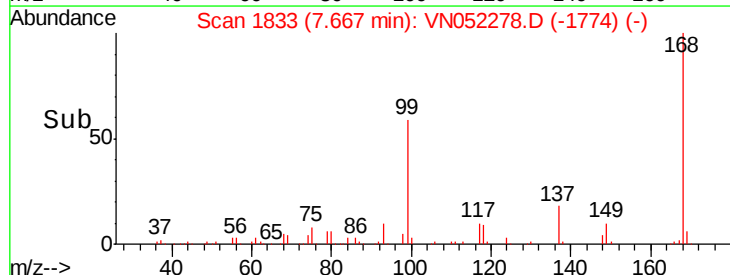
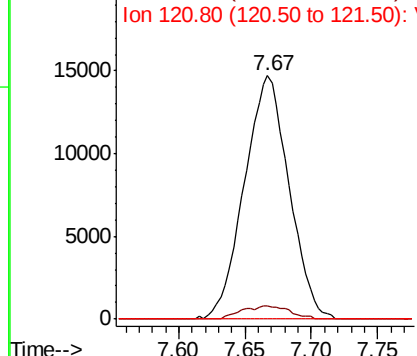
117 100

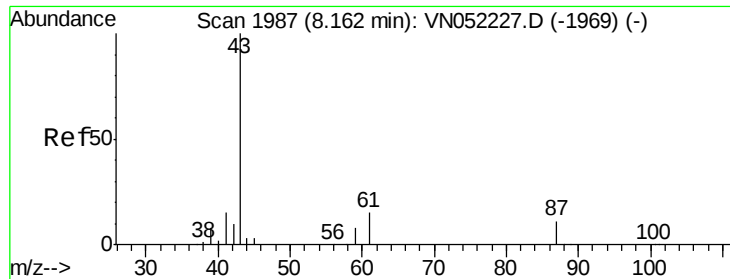
119 5.5 75.8 113.8#

121 0.0 23.4 35.2#



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

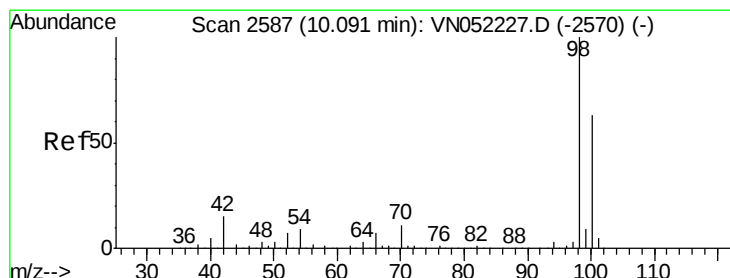
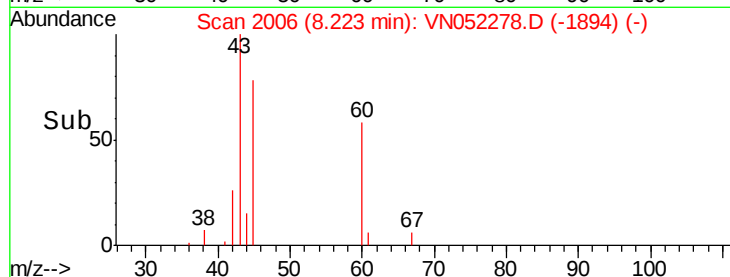
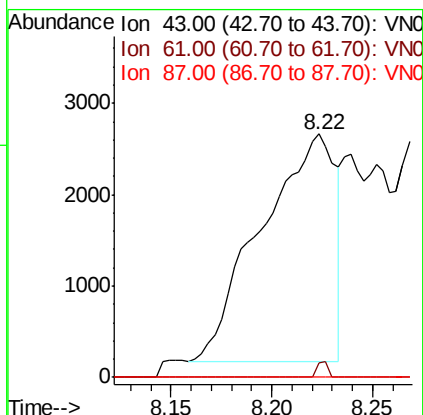
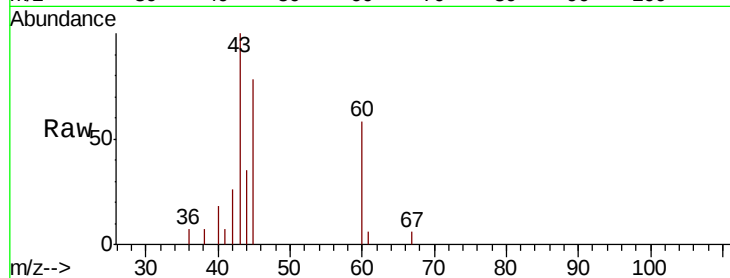




#43
Isopropyl Acetate
Concen: 0.867 ug/l
RT: 8.22 min Scan# 2006
Delta R.T. 0.06 min
Lab File: VN052278.D
Acq: 13 Nov 2018 11:08

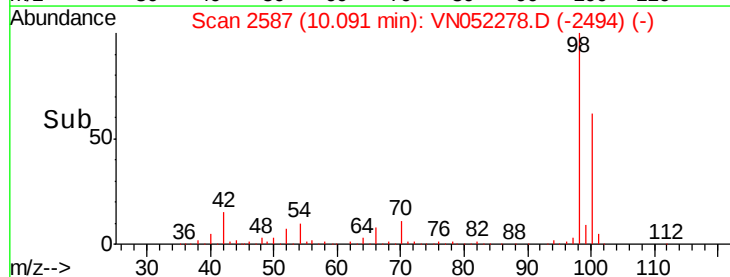
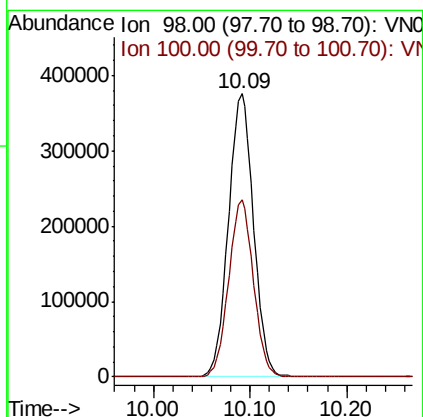
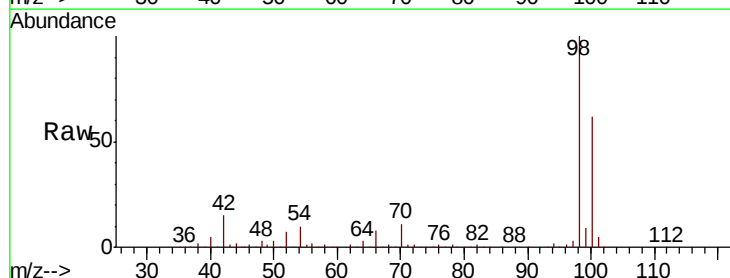
Instrument :
MSVOA_N
ClientSampleId :

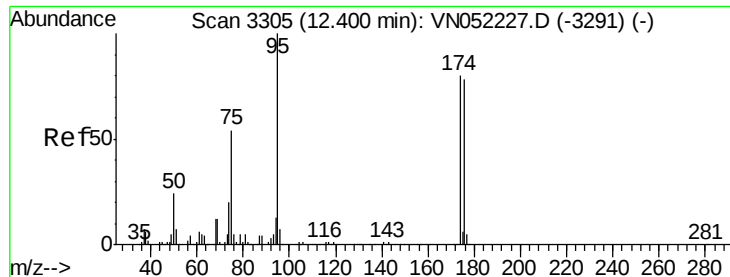
Tot Ion: 43 Resp: 6330
Ion Ratio Lower Upper
43 100
61 0.0 14.2 21.4#
87 0.0 8.4 12.6#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052278.D
Acq: 13 Nov 2018 11:08

Tgt Ion: 98 Resp: 676630
Ion Ratio Lower Upper
98 100
100 61.7 50.2 75.2

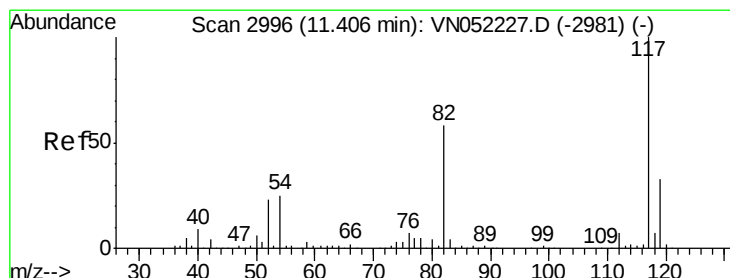
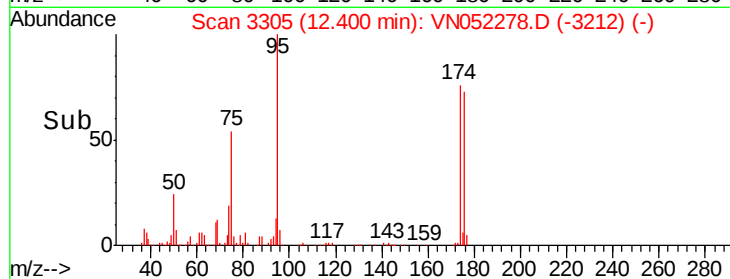
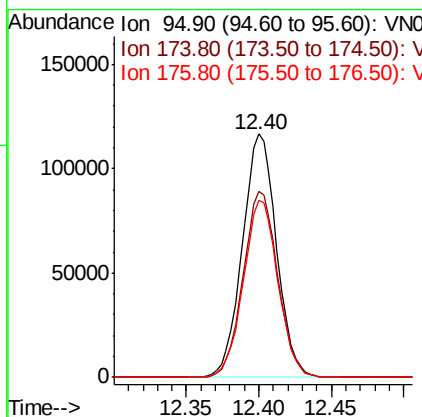
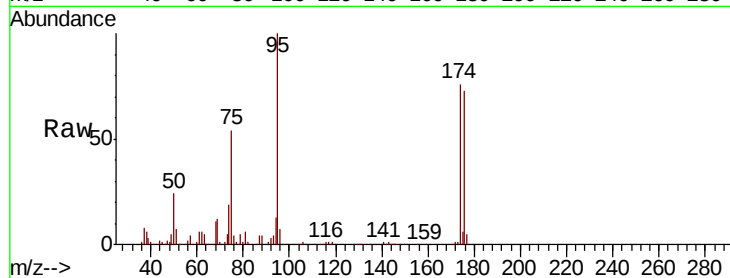




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052278.D
Acq: 13 Nov 2018 11:08

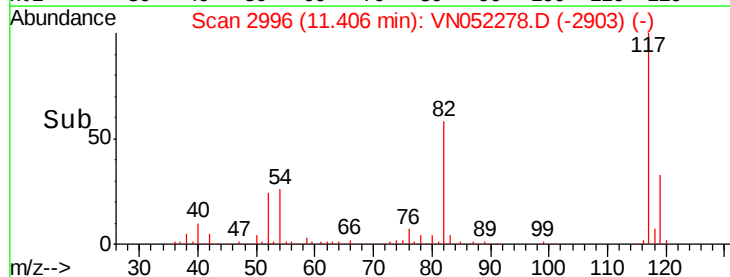
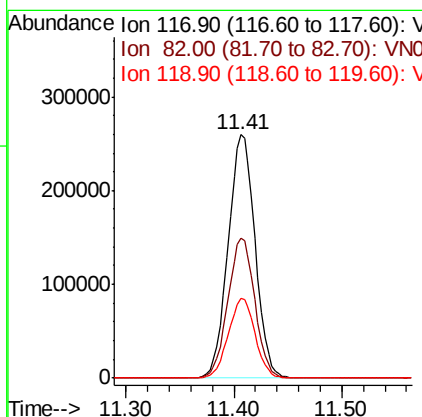
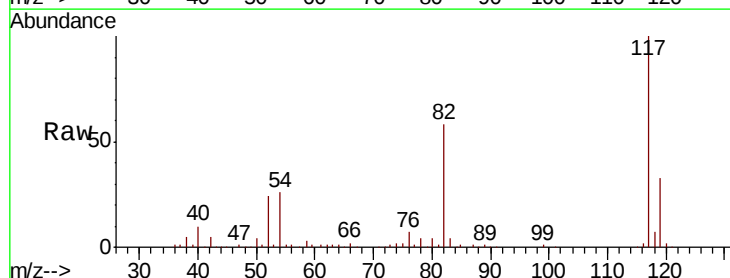
Instrument :
MSVOA_N
ClientSampleId :

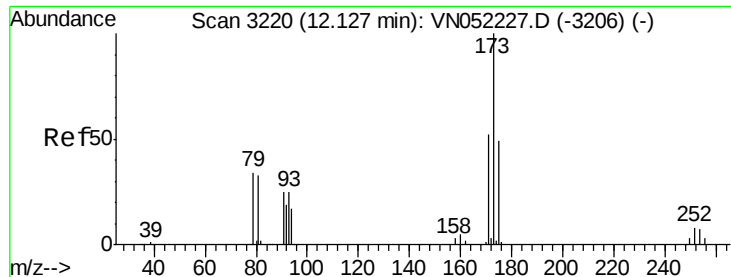
Tot Ion: 95 Resp: 190512
Ion Ratio Lower Upper
95 100
174 77.4 0.0 159.4
176 73.8 0.0 157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052278.D
Acq: 13 Nov 2018 11:08

Tgt Ion: 117 Resp: 451973
Ion Ratio Lower Upper
117 100
82 57.6 46.2 69.2
119 32.6 26.2 39.4

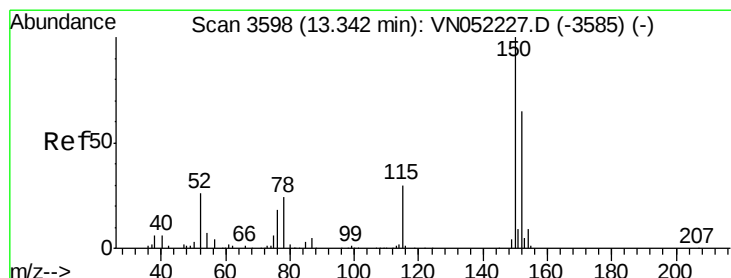
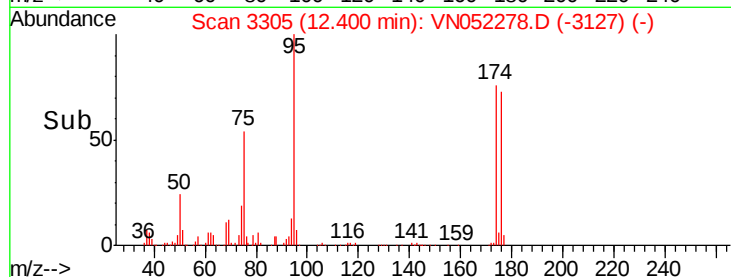
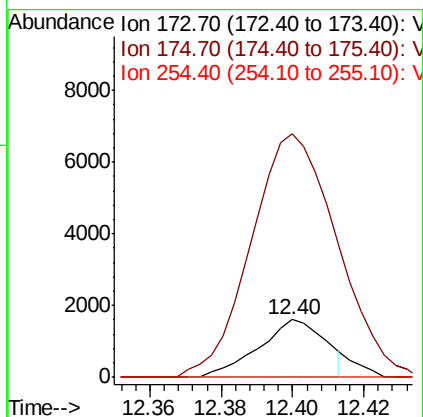
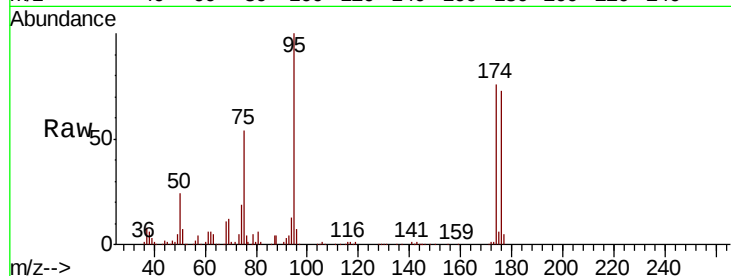




#71
Bromoform
Concen: 1.067 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN052278.D
Acq: 13 Nov 2018 11:08

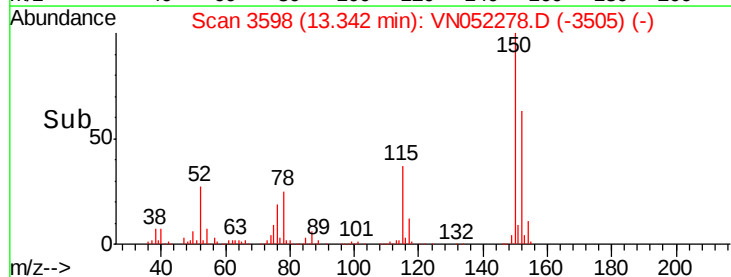
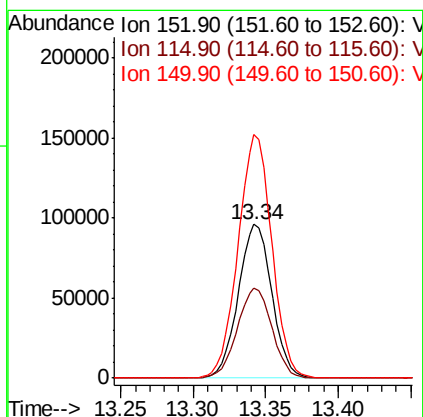
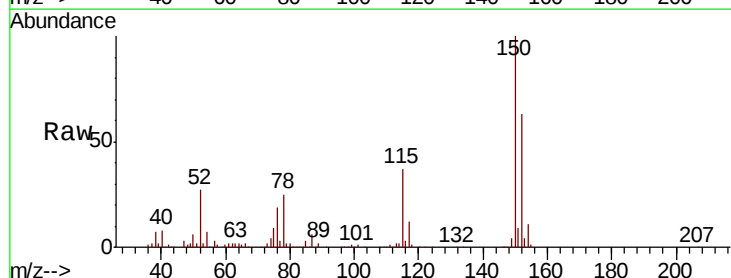
Instrument :
MSVOA_N
ClientSampled :

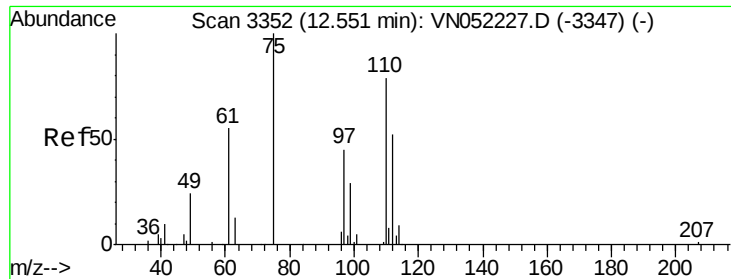
Tot Ion:173 Resp: 2065
Ion Ratio Lower Upper
173 100
175 484.7 24.5 73.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052278.D
Acq: 13 Nov 2018 11:08

Tgt Ion:152 Resp: 154328
Ion Ratio Lower Upper
152 100
115 60.2 29.8 89.5
150 158.9 0.0 350.2





#76

1,2,3-Trichloropropane

Concen: 38.568 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052278.D

Acq: 13 Nov 2018 11:08

Instrument :

MSVOA_N

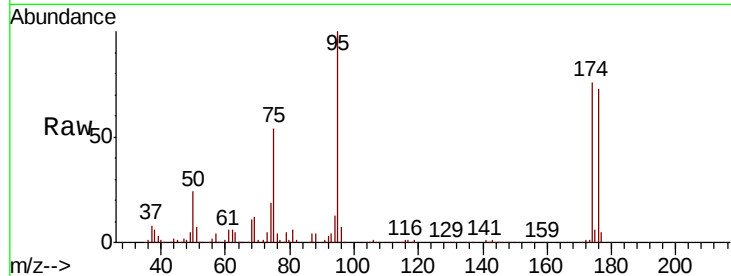
ClientSampleId :

Tot Ion: 75 Resp: 105308

Ion Ratio Lower Upper

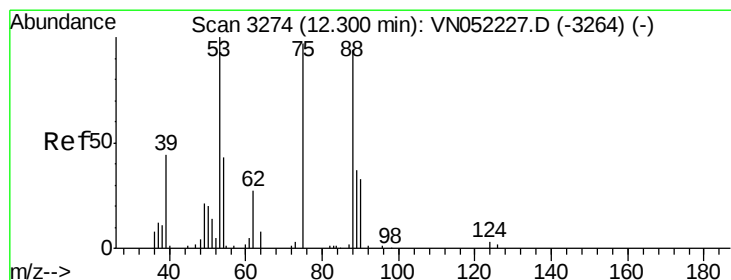
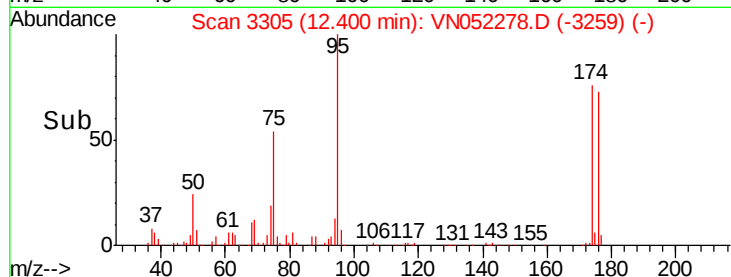
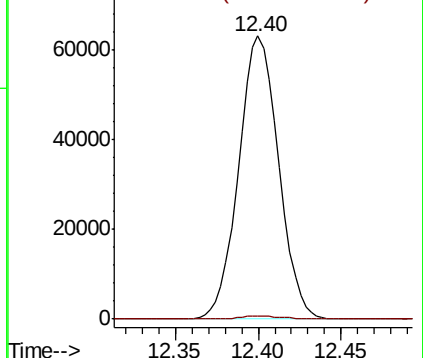
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 131.649 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052278.D

Acq: 13 Nov 2018 11:08

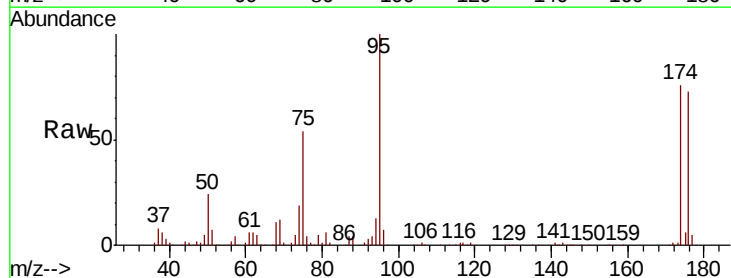
Tgt Ion: 75 Resp: 105308

Ion Ratio Lower Upper

75 100

53 0.1 84.0 126.0#

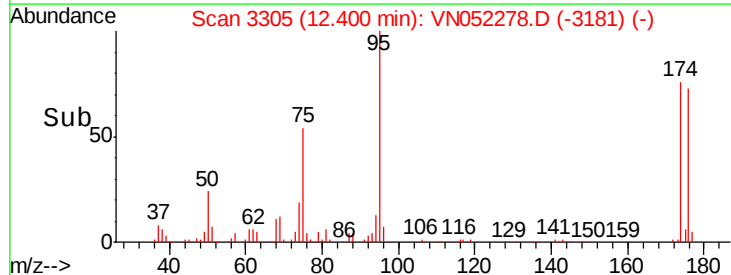
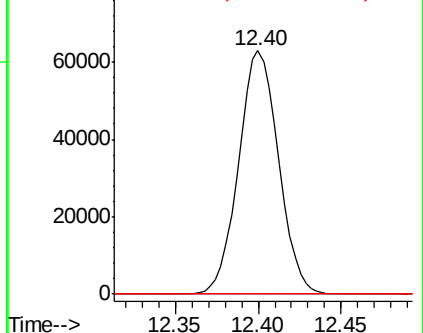
89 0.0 33.7 50.5#

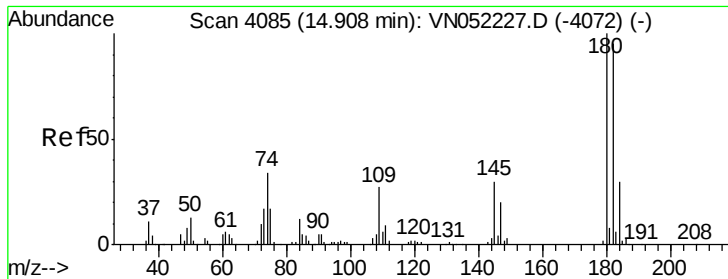


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

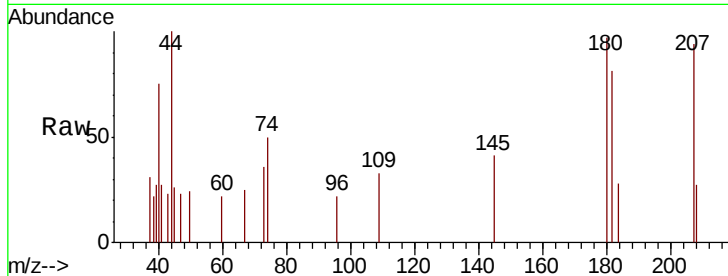




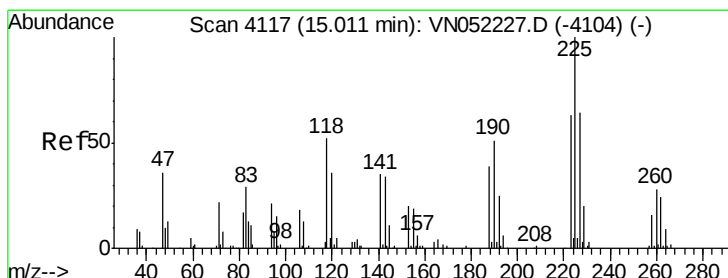
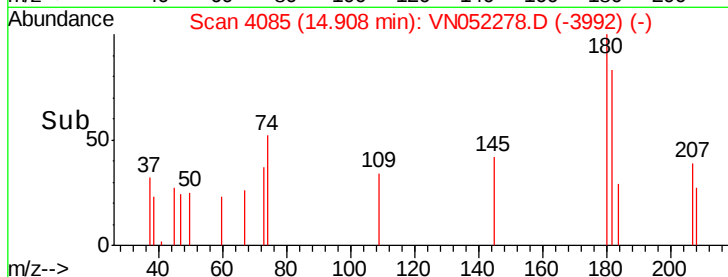
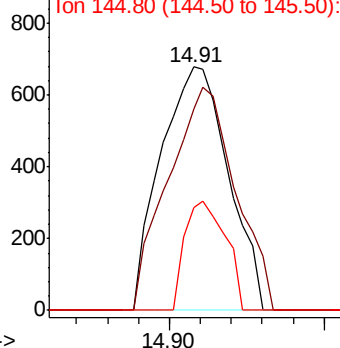
#93
 1,2,4-Trichlorobenzene
 Concen: 0.518 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052278.D
 Acq: 13 Nov 2018 11:08

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 1028
 Ion Ratio Lower Upper
 180 100
 182 91.8 47.3 142.0
 145 27.1 15.6 46.8

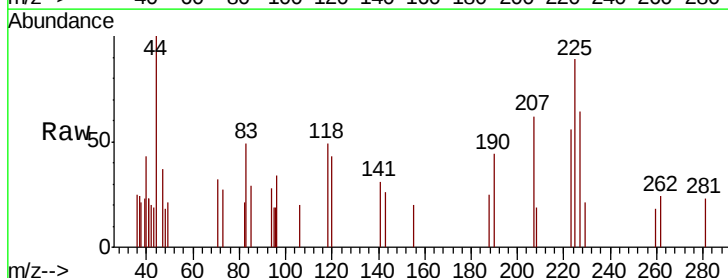


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

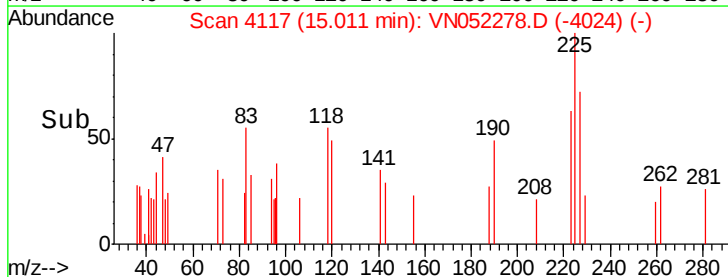
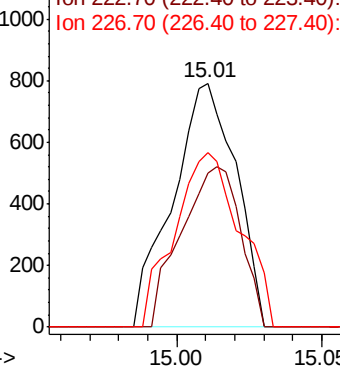


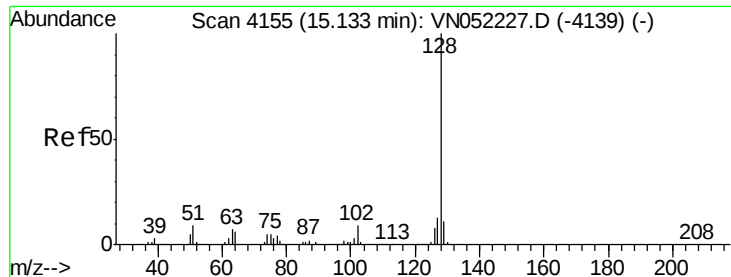
#94
 Hexachlorobutadiene
 Concen: 1.115 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052278.D
 Acq: 13 Nov 2018 11:08

Tgt Ion:225 Resp: 1202
 Ion Ratio Lower Upper
 225 100
 223 61.4 32.1 96.3
 227 73.9 31.8 95.4



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: 0.514 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052278.D

Acq: 13 Nov 2018 11:08

Instrument :

MSVOA_N

ClientSampleId :

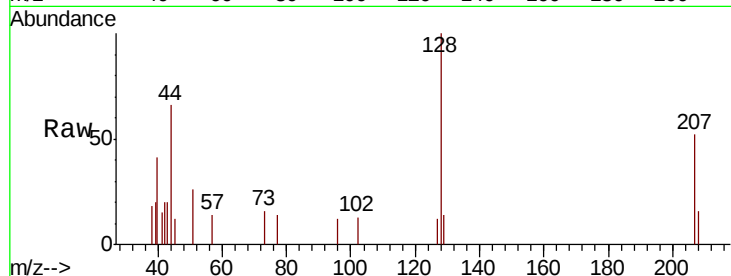
Tot Ion:128 Resp: 2515

Ion Ratio Lower Upper

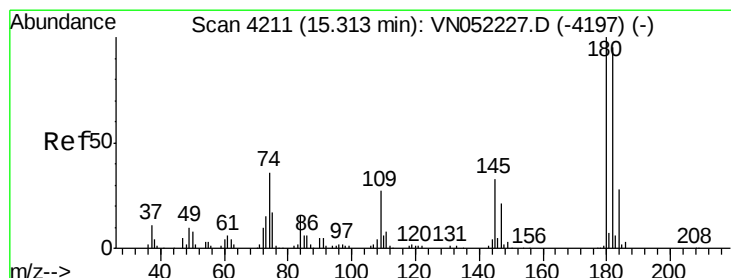
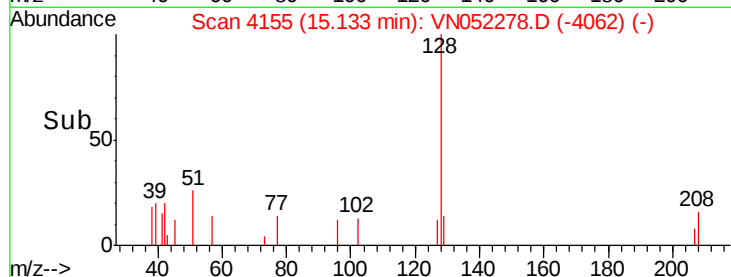
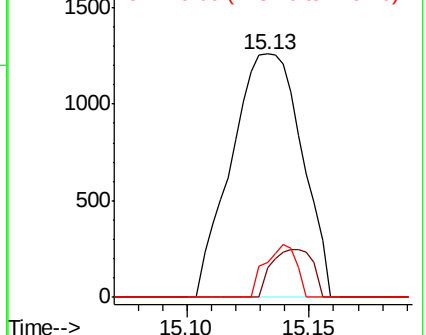
128 100

127 11.5 10.6 16.0

129 9.6 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: 0.488 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN052278.D

Acq: 13 Nov 2018 11:08

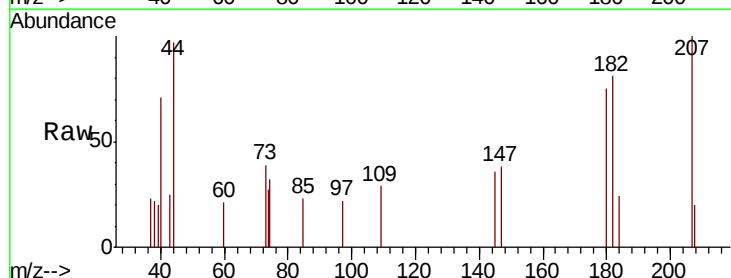
Tgt Ion:180 Resp: 915

Ion Ratio Lower Upper

180 100

182 141.3 47.7 143.1

145 34.0 16.8 50.3



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

