

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058719.D
 Acq On : 11 Oct 2019 21:52
 Operator : JC/SP
 Sample : K5337-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HHT-WATER

Quant Time: Oct 12 00:15:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	409191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	644541	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	566155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	224611	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	293313	51.20	ug/l	0.00
Spiked Amount			Recovery	=	102.40%	
35) Dibromofluoromethane	7.57	113	207826	52.20	ug/l	0.00
Spiked Amount			Recovery	=	104.40%	
50) Toluene-d8	10.08	98	808321	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.40	95	265651	44.08	ug/l	0.00
Spiked Amount			Recovery	=	88.16%	

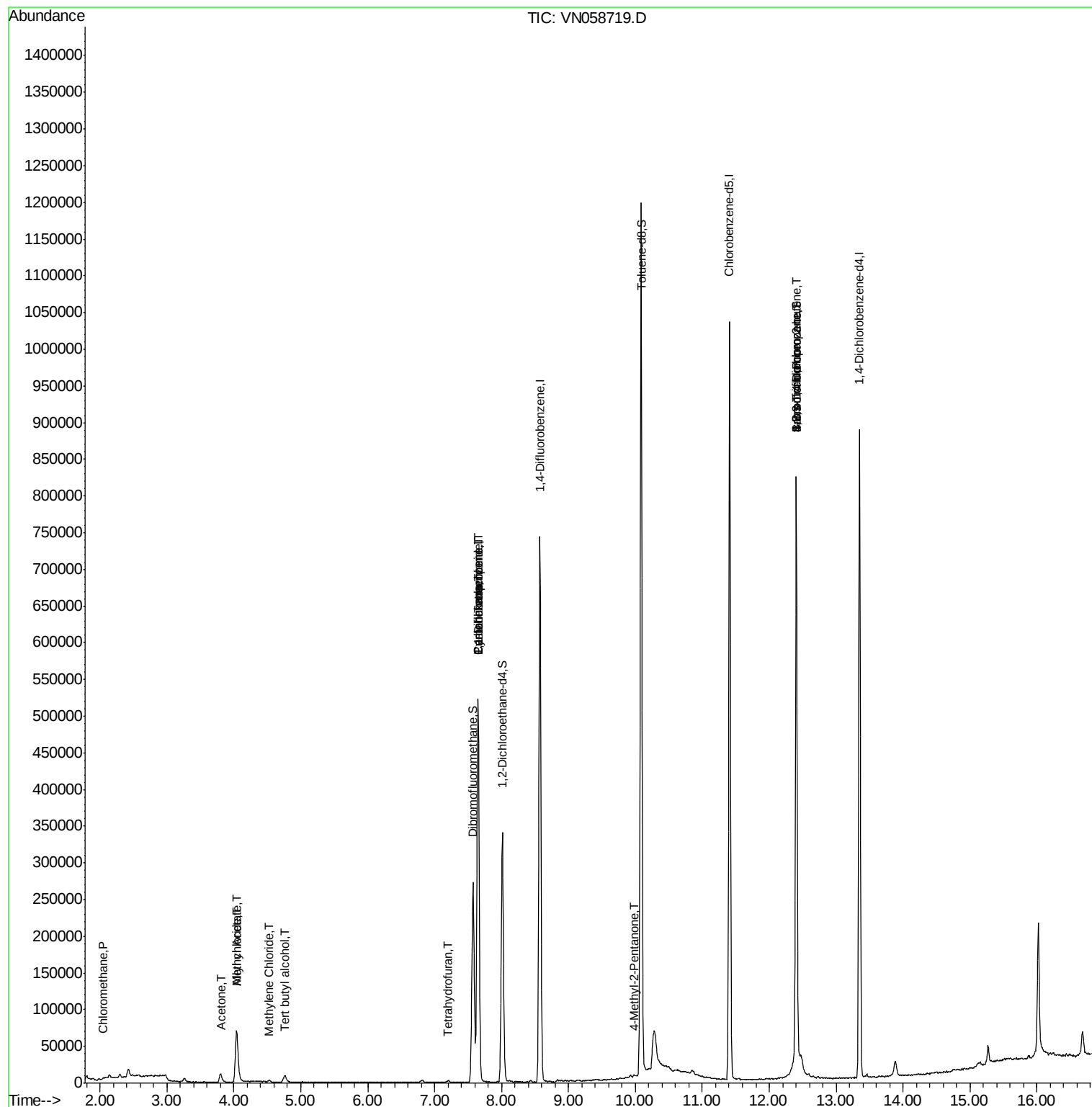
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1295	0.214	ug/l	98
11) Tert butyl alcohol	4.77	59	16119	17.374	ug/l #	94
14) Allyl chloride	4.04	41	10068	1.270	ug/l #	71
16) Acetone	3.80	43	20775	8.760	ug/l	98
18) Methyl Acetate	4.04	43	27077	4.501	ug/l #	54
20) Methylene Chloride	4.53	84	1852	0.374	ug/l	87
29) Tetrahydrofuran	7.20	42	1383	0.624	ug/l #	56
31) Cyclohexane	7.65	56	9183	1.093	ug/l #	3
36) 1,1-Dichloropropene	7.65	75	34387	5.277	ug/l #	51
38) Carbon Tetrachloride	7.65	117	41354	6.511	ug/l #	16
51) 4-Methyl-2-Pentanone	9.99	43	1520	0.241	ug/l #	85
71) Bromoform	12.40	173	1615	0.518	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	140910	28.597	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	140910	76.603	ug/l #	11

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058719.D

Acq: 11 Oct 2019 21:52

Instrument :

MSVOA_N

ClientSampleId :

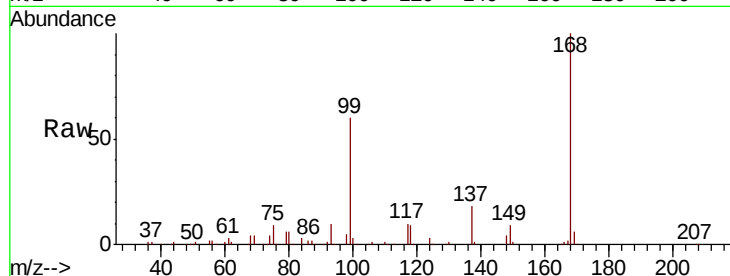
HHT-WATER

Tot Ion:168 Resp: 409191

Ion Ratio Lower Upper

168 100

99 59.8 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

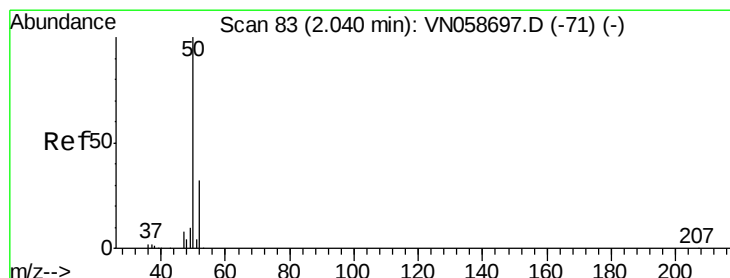
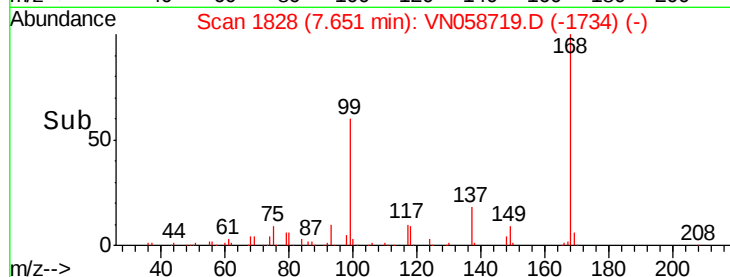
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.214 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058719.D

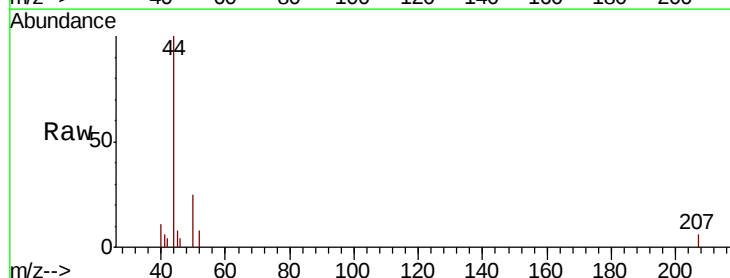
Acq: 11 Oct 2019 21:52

Tgt Ion: 50 Resp: 1295

Ion Ratio Lower Upper

50 100

52 33.1 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

1000

800

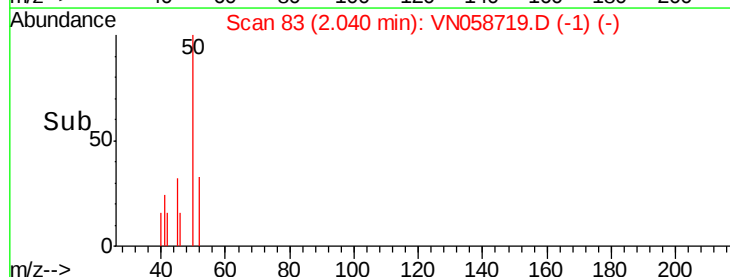
600

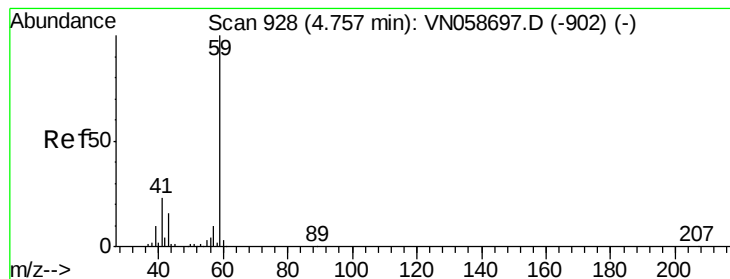
400

200

0

Time-->



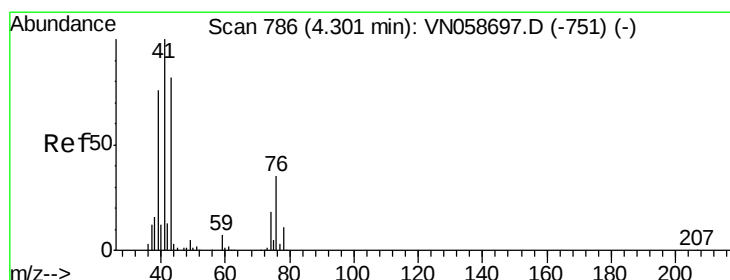
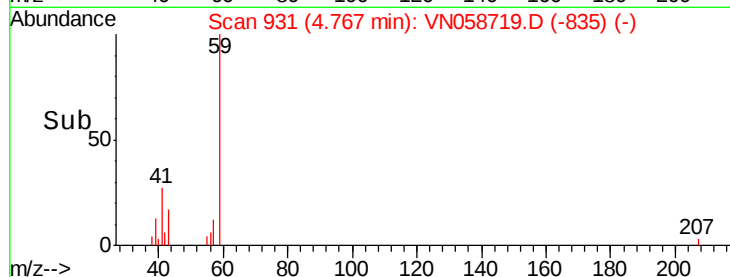
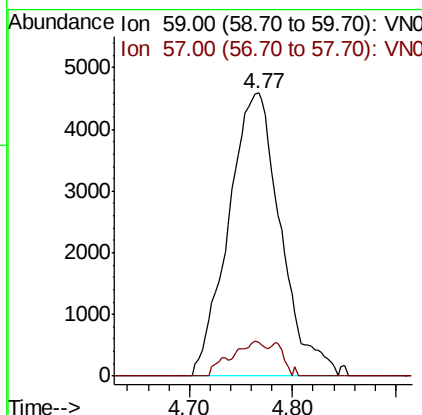
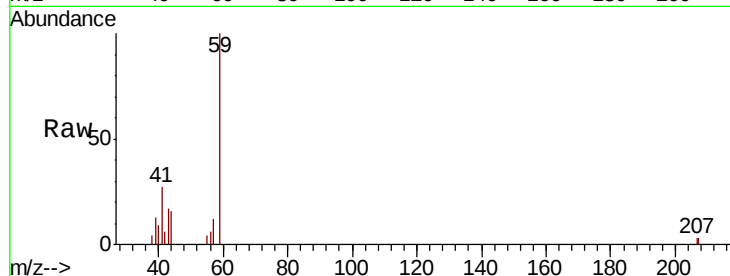


#11

Tert butyl alcohol
 Concen: 17.374 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. 0.01 min
 Lab File: VN058719.D
 Acq: 11 Oct 2019 21:52

Instrument :
 MSVOA_N
 ClientSampleId :
 HHT-WATER

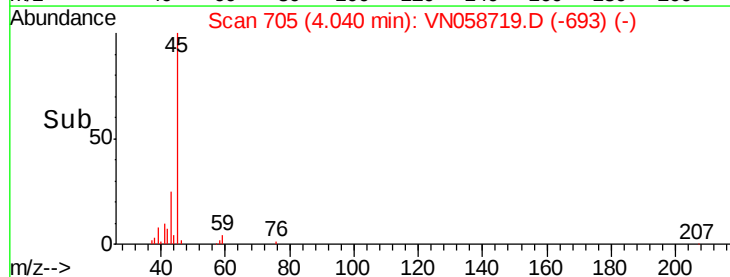
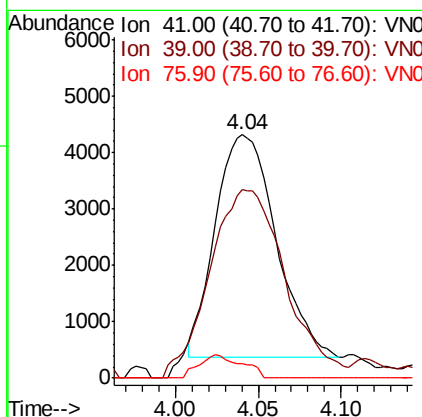
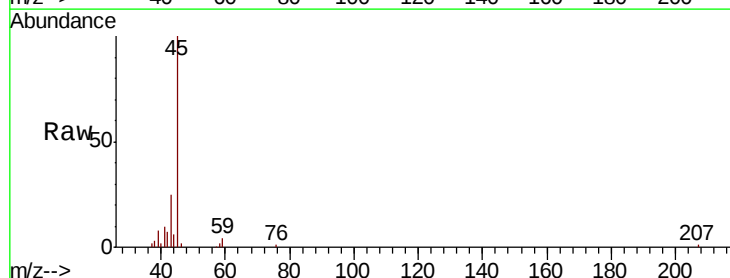
Tot Ion: 59 Resp: 16119
 Ion Ratio Lower Upper
 59 100
 57 8.3 8.4 12.6#

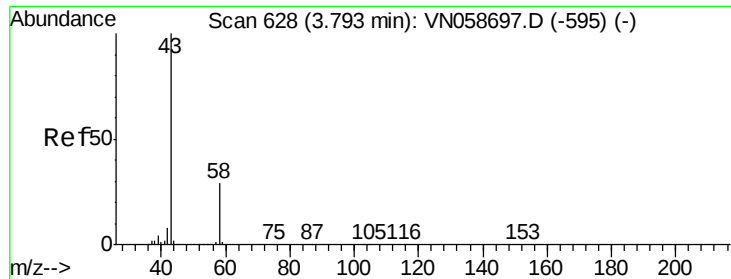


#14

Allyl chloride
 Concen: 1.270 ug/l
 RT: 4.04 min Scan# 705
 Delta R.T. -0.26 min
 Lab File: VN058719.D
 Acq: 11 Oct 2019 21:52

Tgt Ion: 41 Resp: 10068
 Ion Ratio Lower Upper
 41 100
 39 90.5 57.2 85.8#
 76 7.1 25.0 37.6#





#16

Acetone

Concen: 8.760 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN058719.D

Acq: 11 Oct 2019 21:52

Instrument :

MSVOA_N

ClientSampleId :

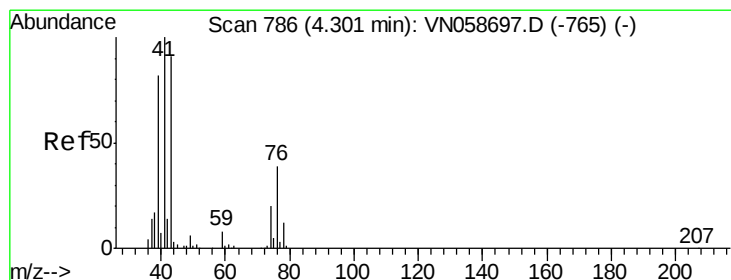
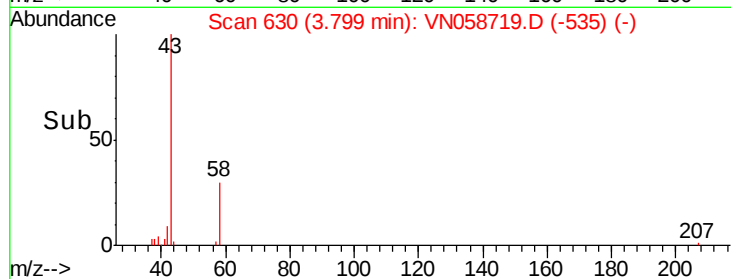
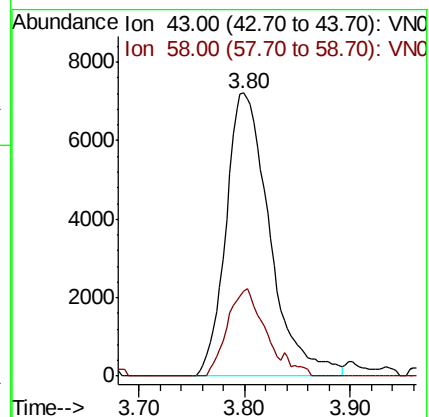
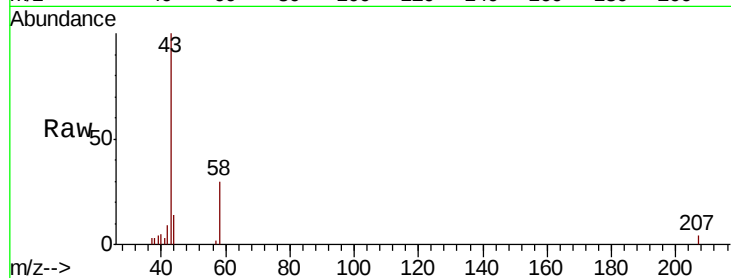
HHT-WATER

Tot Ion: 43 Resp: 20775

Ion Ratio Lower Upper

43 100

58 30.2 23.3 34.9



#18

Methyl Acetate

Concen: 4.501 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.26 min

Lab File: VN058719.D

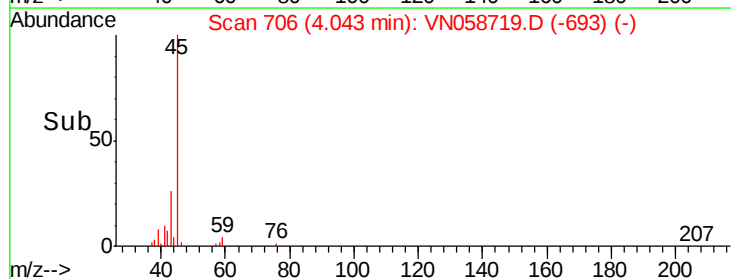
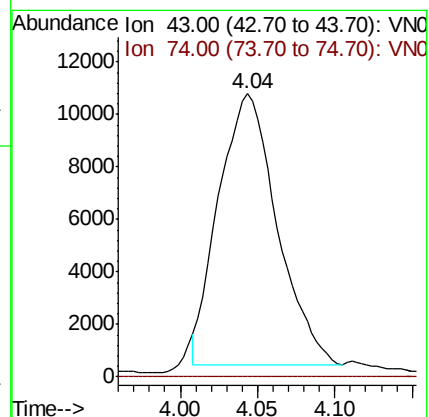
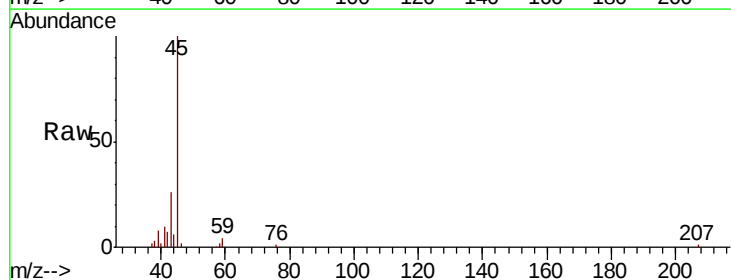
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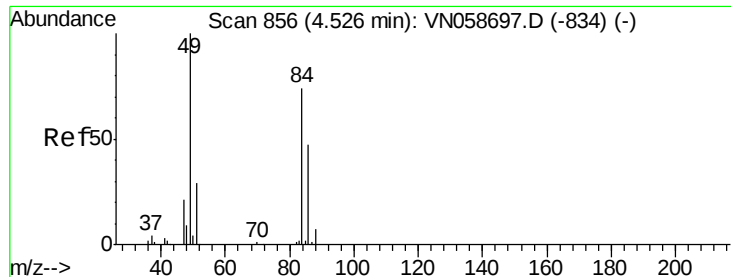
Tgt Ion: 43 Resp: 27077

Ion Ratio Lower Upper

43 100

74 0.0 17.2 25.8#





#20

Methvlene Chloride

Concen: 0.374 ug/l

RT: 4.53 min Scan# 856

Delta R.T. 0.00 min

Lab File: VN058719.D

Acq: 11 Oct 2019 21:52

Instrument :

MSVOA_N

ClientSampled :

HHT-WATER

Tot Ion: 84 Resp: 1852

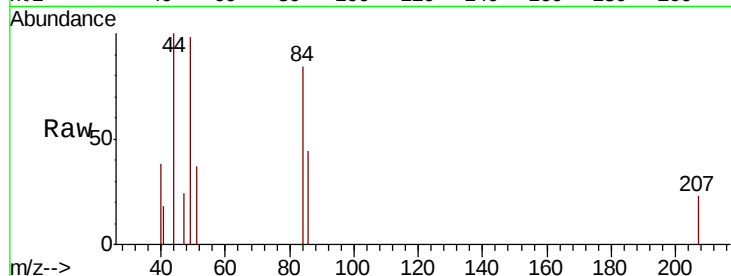
Ion	Ratio	Lower	Upper
84	100		
49	117.4	107.6	161.4
51	44.2	31.4	47.0
86	53.2	50.3	75.5

84 100

49 117.4 107.6 161.4

51 44.2 31.4 47.0

86 53.2 50.3 75.5

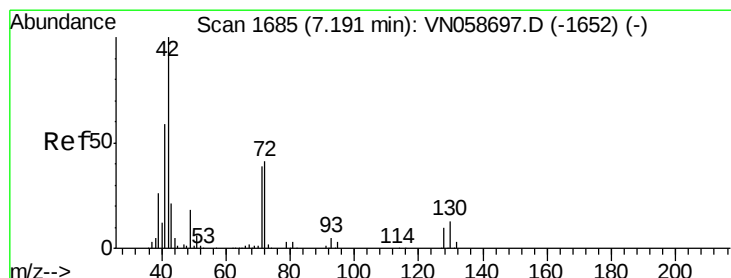
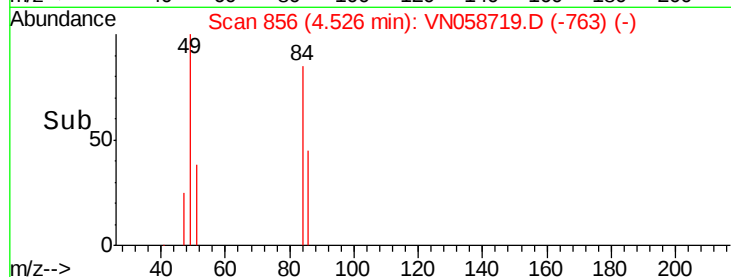
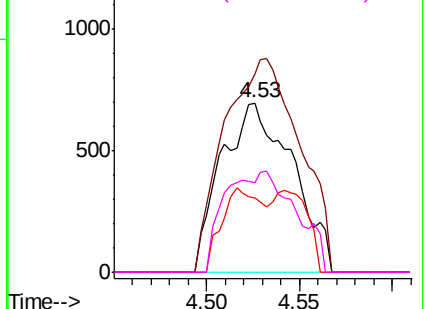


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#29

Tetrahydrofuran

Concen: 0.624 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN058719.D

Acq: 11 Oct 2019 21:52

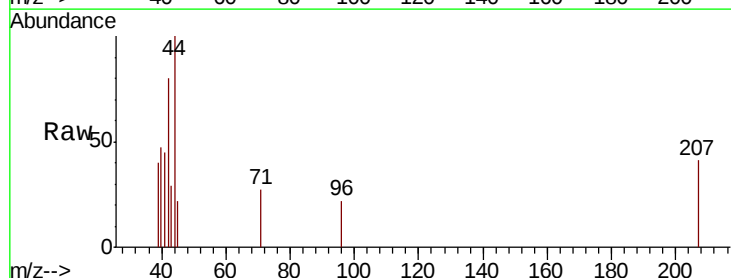
Tgt Ion: 42 Resp: 1383

Ion	Ratio	Lower	Upper
42	100		
72	7.6	32.8	49.2#
71	18.1	31.1	46.7#

42 100

72 7.6 32.8 49.2#

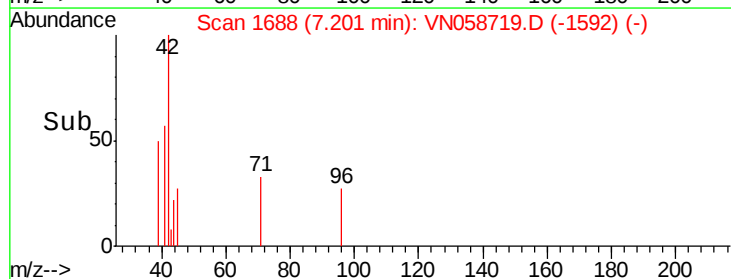
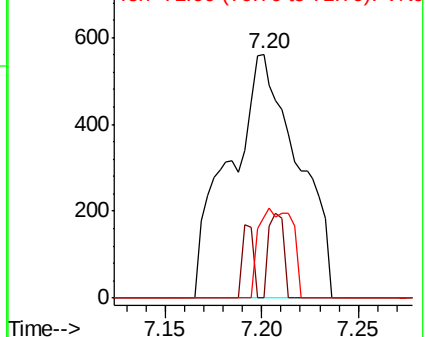
71 18.1 31.1 46.7#

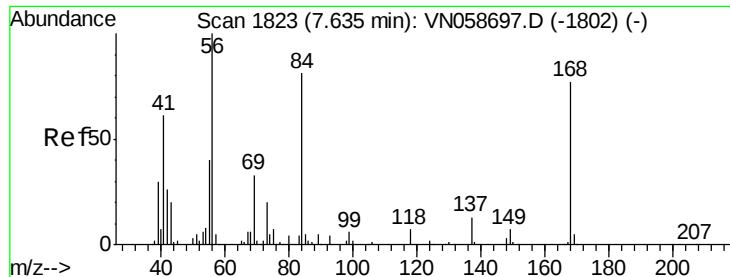


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

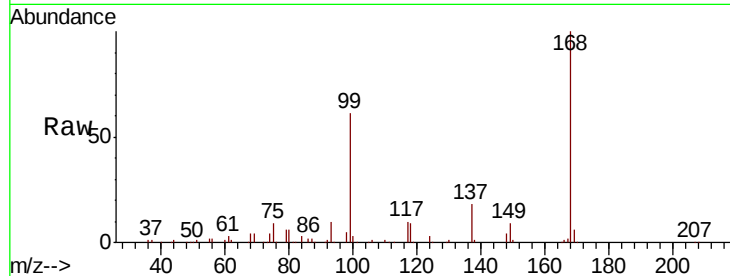




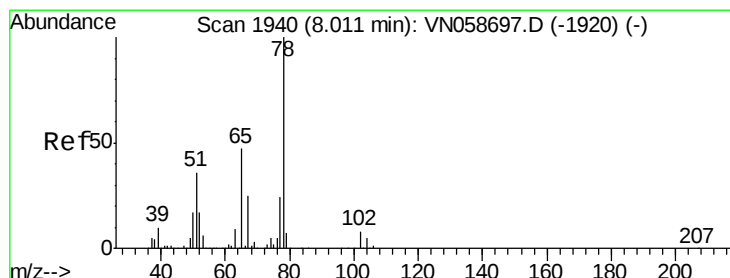
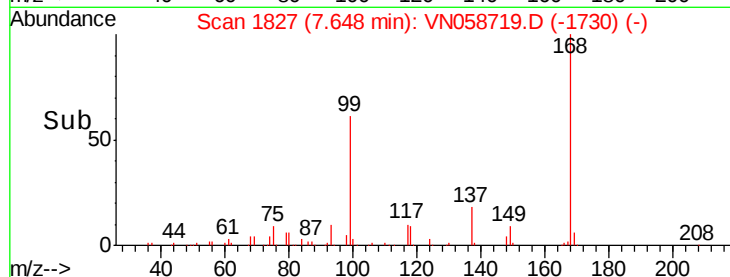
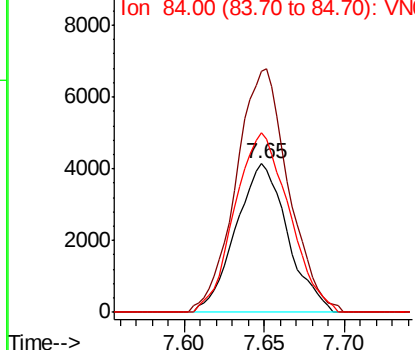
#31
Cyclohexane
Concen: 1.093 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN058719.D
Acq: 11 Oct 2019 21:52

Instrument :
MSVOA_N
ClientSampleId :
HHT-WATER

Tot Ion: 56 Resp: 9183
Ion Ratio Lower Upper
56 100
69 162.0 26.2 39.4#
84 120.4 64.9 97.3#

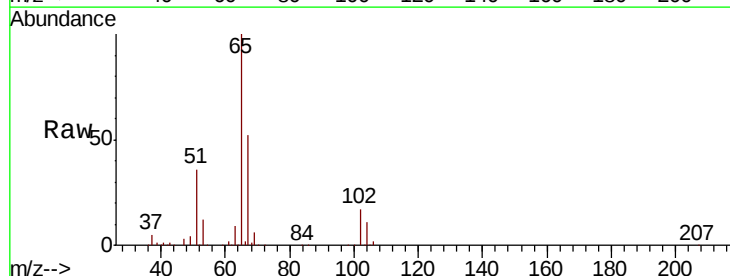


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

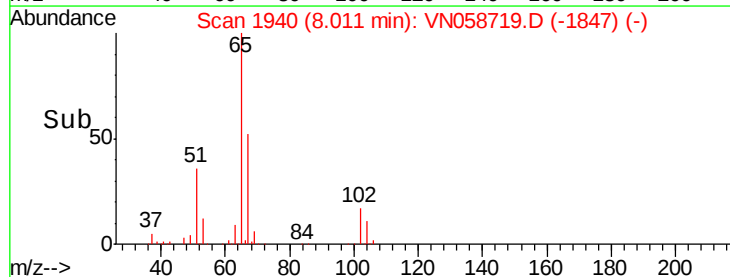
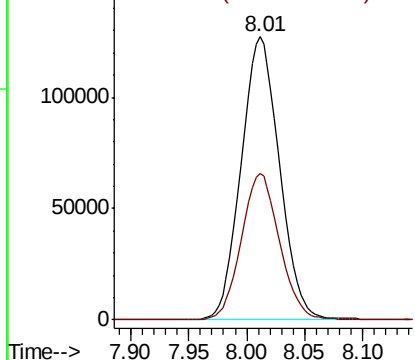


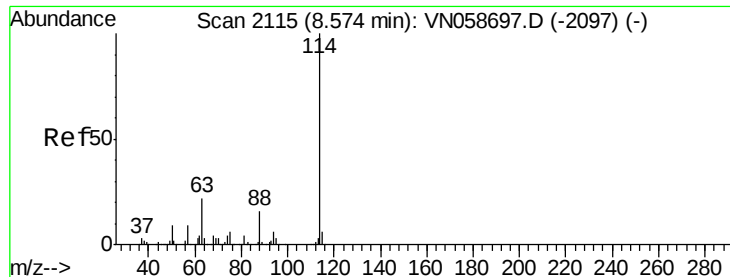
#33
1,2-Dichloroethane-d4
Concen: 51.201 ug/l
RT: 8.01 min Scan# 1940
Delta R.T. 0.00 min
Lab File: VN058719.D
Acq: 11 Oct 2019 21:52

Tgt Ion: 65 Resp: 293313
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.8



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

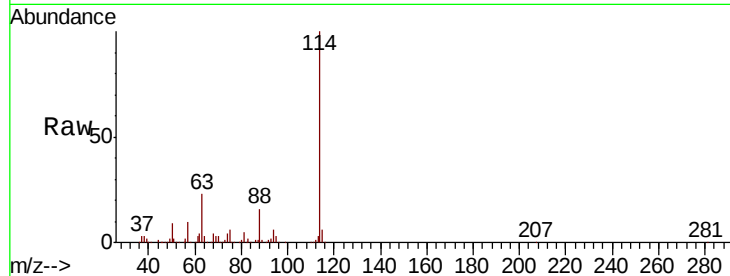




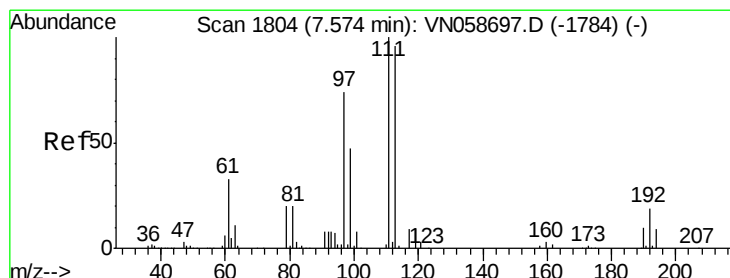
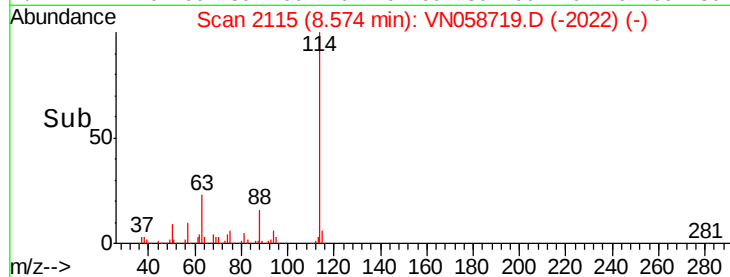
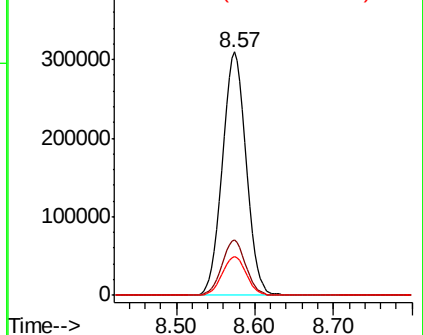
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058719.D
 Acq: 11 Oct 2019 21:52

Instrument :
 MSVOA_N
 ClientSampleId :
 HHT-WATER

Tot Ion:114 Resp: 644541
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 43.8
 88 15.7 0.0 32.0

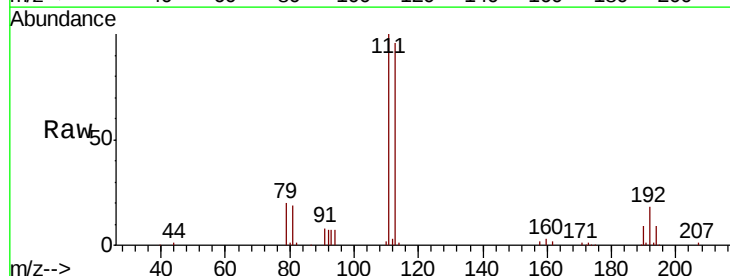


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

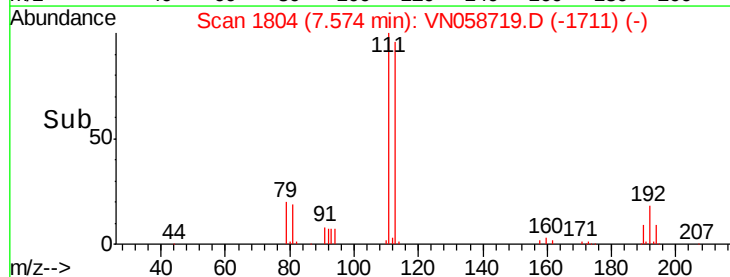
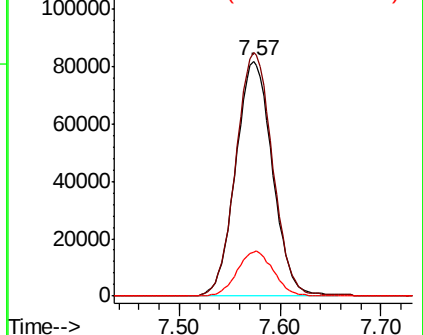


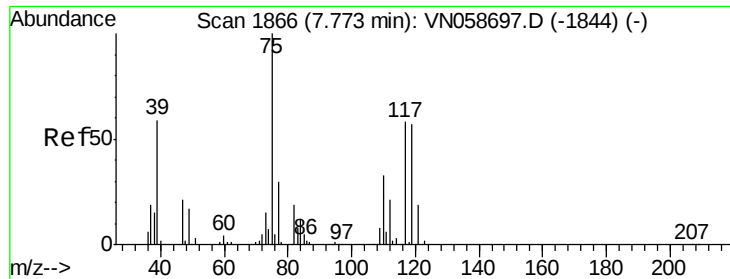
#35
 Dibromofluoromethane
 Concen: 52.202 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058719.D
 Acq: 11 Oct 2019 21:52

Tgt Ion:113 Resp: 207826
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.3 123.5
 192 18.8 15.0 22.6



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

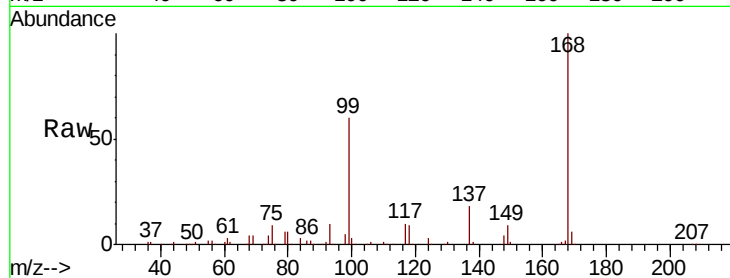




#36
 1,1-Dichloropropene
 Concen: 5.277 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.12 min
 Lab File: VN058719.D
 Acq: 11 Oct 2019 21:52

Instrument :
 MSVOA_N
 ClientSampleId :
 HHT-WATER

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	16.6	49.8#
77	0.0	24.6	37.0#

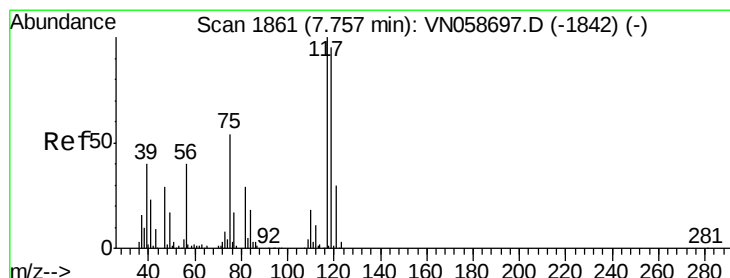
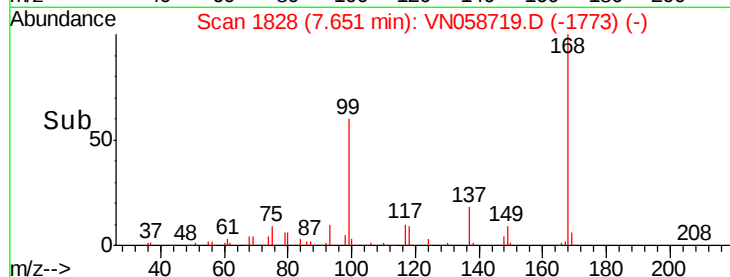
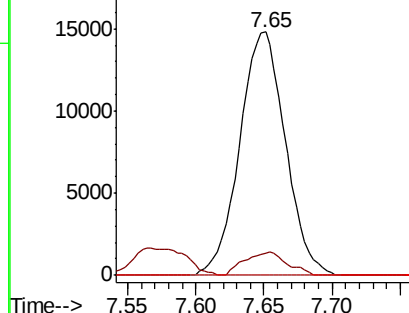


Abundance

Ion 74.90 (74.60 to 75.60): VN058697.D (-1844) (-)

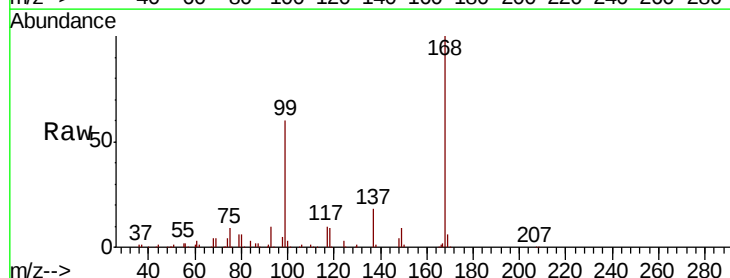
Ion 109.90 (109.60 to 110.60): VN058697.D (-1844) (-)

Ion 76.90 (76.60 to 77.60): VN058697.D (-1844) (-)



#38
 Carbon Tetrachloride
 Concen: 6.511 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN058719.D
 Acq: 11 Oct 2019 21:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	75.7	113.5#
121	0.0	23.9	35.9#

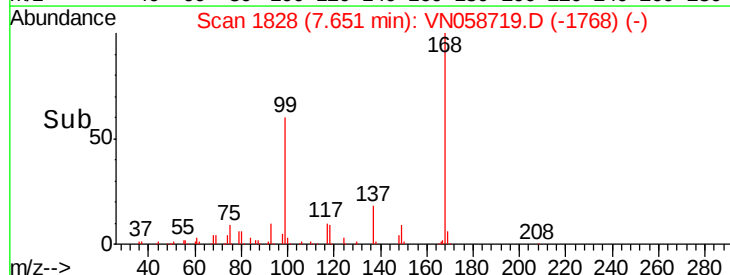
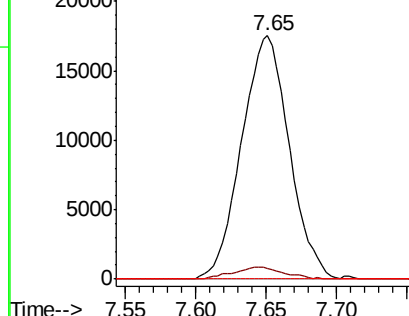


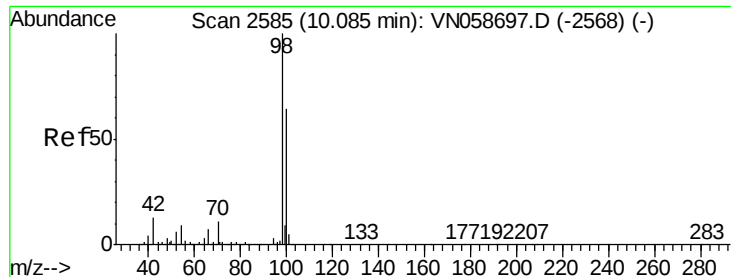
Abundance

Ion 116.80 (116.50 to 117.50): VN058697.D (-1842) (-)

Ion 118.80 (118.50 to 119.50): VN058697.D (-1842) (-)

Ion 120.80 (120.50 to 121.50): VN058697.D (-1842) (-)





#50

Toluene-d8

Concen: 50.773 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058719.D

Acq: 11 Oct 2019 21:52

Instrument :

MSVOA_N

ClientSampleId :

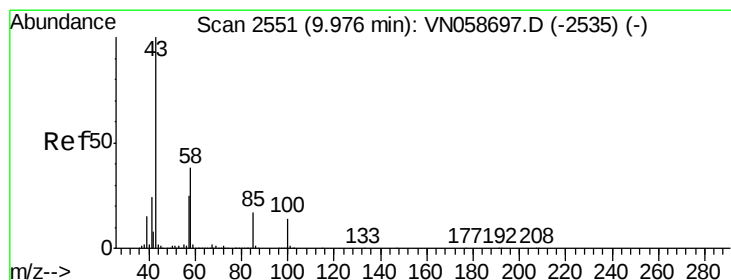
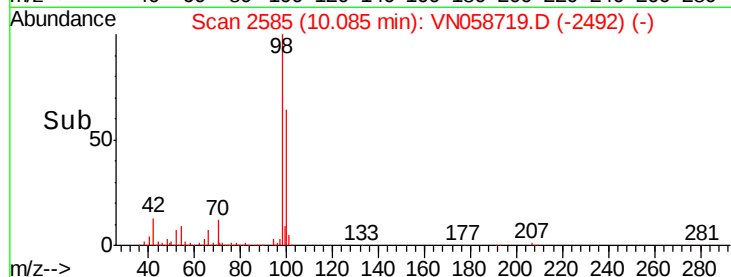
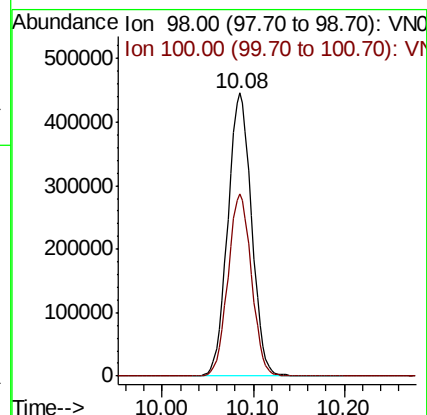
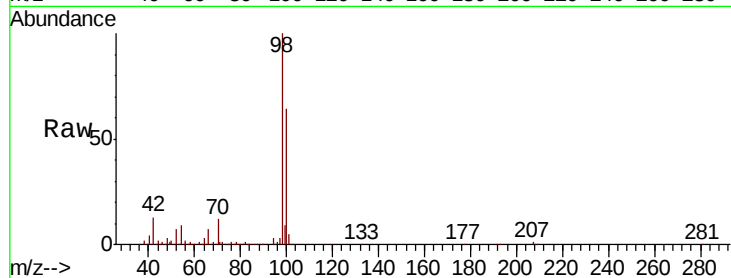
HHT-WATER

Tot Ion: 98 Resp: 808321

Ion Ratio Lower Upper

98 100

100 63.6 51.1 76.7



#51

4-Methyl-2-Pentanone

Concen: 0.241 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.01 min

Lab File: VN058719.D

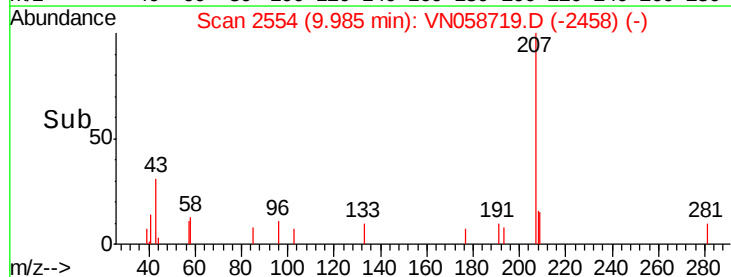
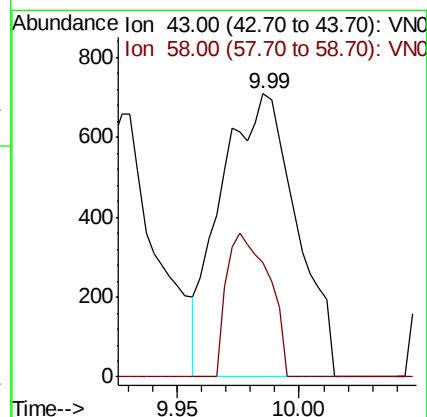
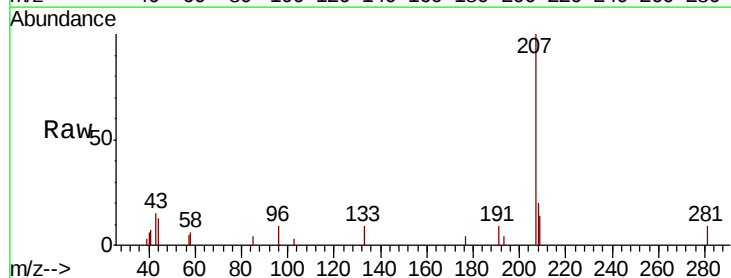
Acq: 11 Oct 2019 21:52

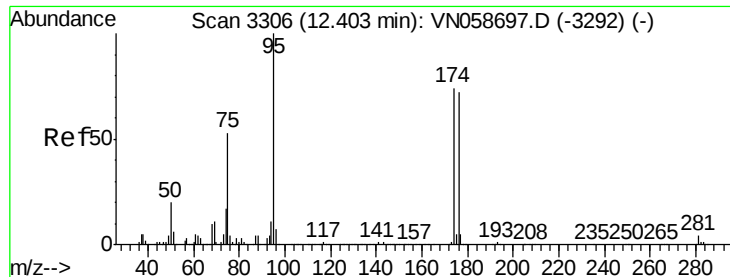
Tgt Ion: 43 Resp: 1520

Ion Ratio Lower Upper

43 100

58 28.6 30.3 45.5#

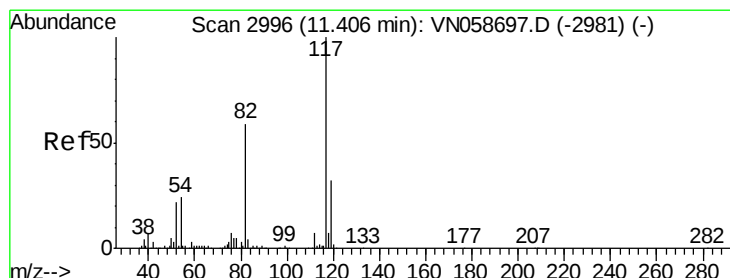
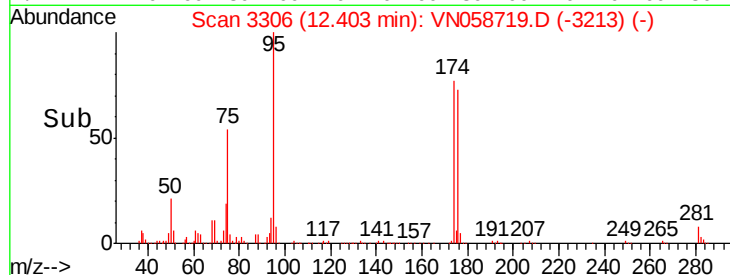
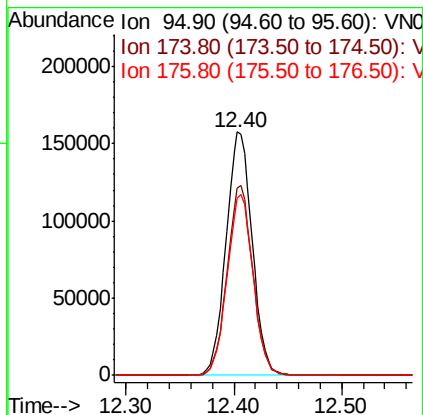
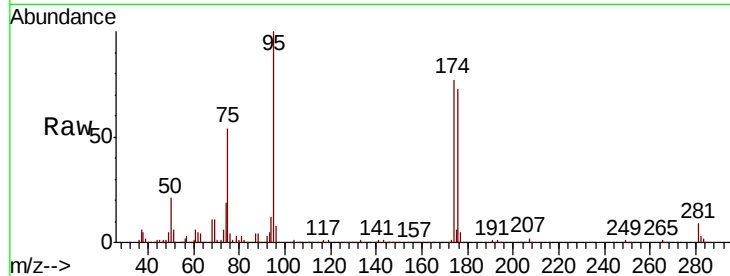




#62
4-Bromofluorobenzene
Concen: 44.082 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058719.D
Acq: 11 Oct 2019 21:52

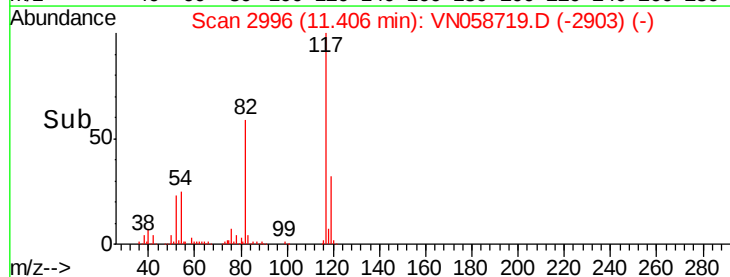
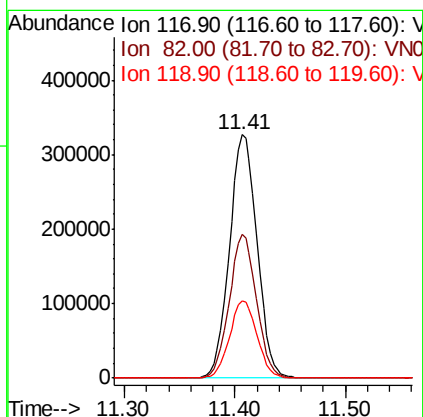
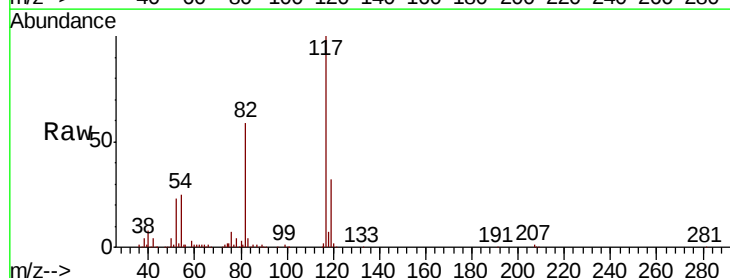
Instrument :
MSVOA_N
ClientSampleId :
HHT-WATER

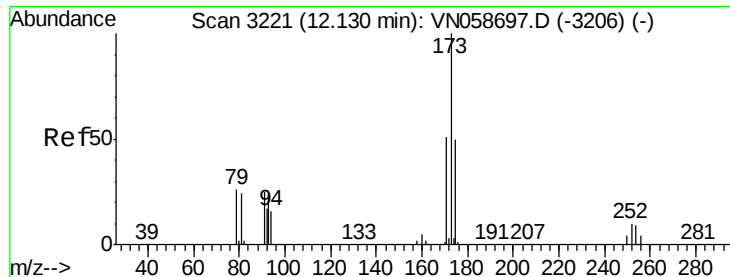
Tot Ion: 95 Resp: 265651
Ion Ratio Lower Upper
95 100
174 76.3 0.0 150.4
176 73.9 0.0 146.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058719.D
Acq: 11 Oct 2019 21:52

Tgt Ion: 117 Resp: 566155
Ion Ratio Lower Upper
117 100
82 59.2 47.0 70.4
119 31.9 25.4 38.2

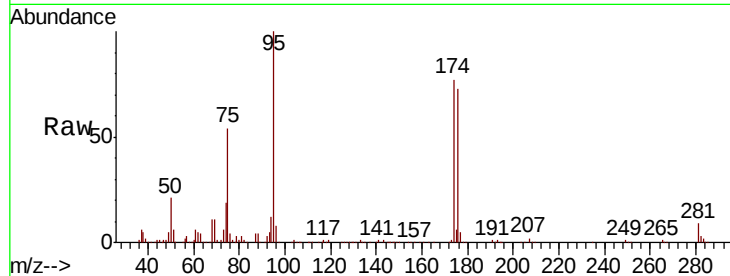




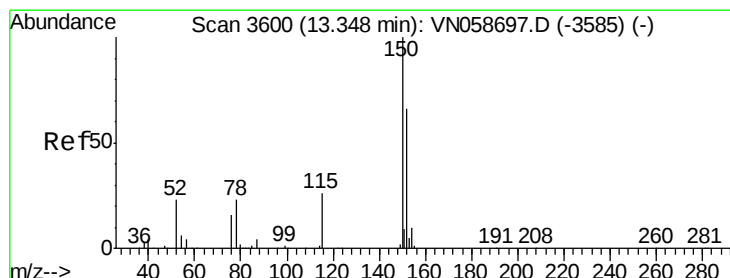
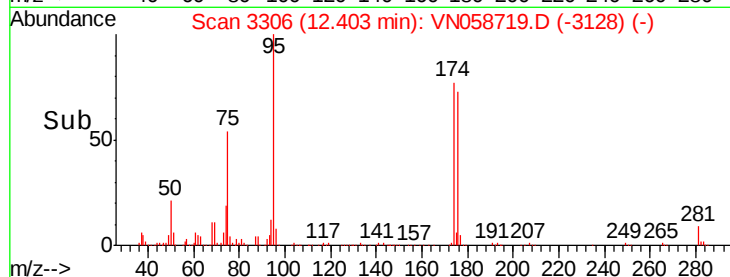
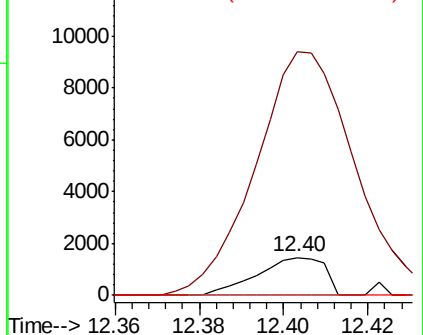
#71
Bromoform
Concen: 0.518 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.27 min
Lab File: VN058719.D
Acq: 11 Oct 2019 21:52

Instrument :
MSVOA_N
ClientSampleId :
HHT-WATER

Tot Ion:173 Resp: 1615
Ion Ratio Lower Upper
173 100
175 827.4 24.6 73.8#
254 0.0 0.1 0.1#

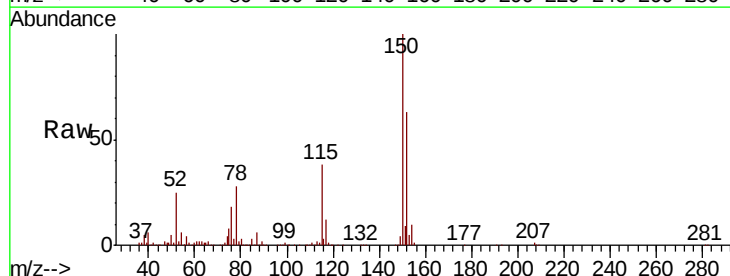


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

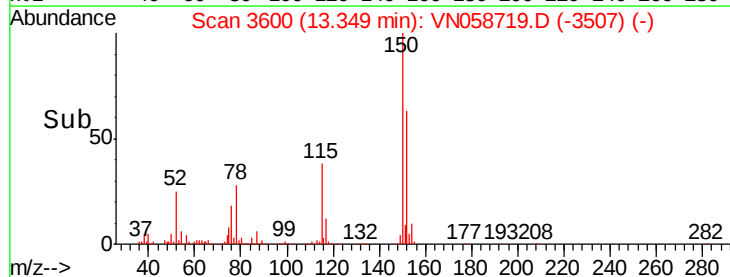
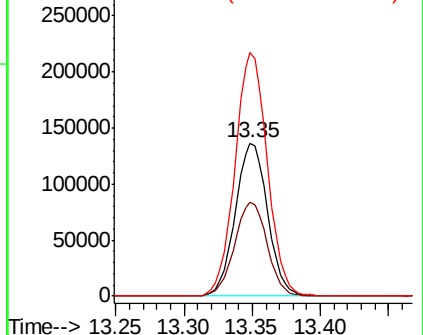


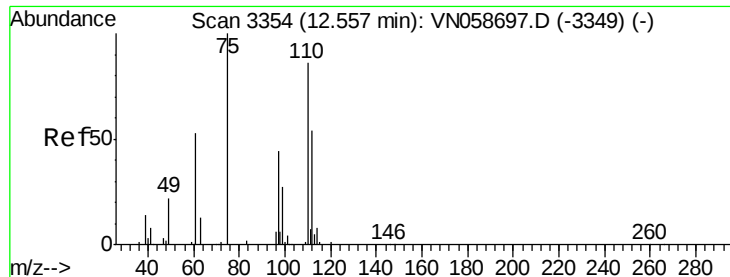
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058719.D
Acq: 11 Oct 2019 21:52

Tgt Ion:152 Resp: 224611
Ion Ratio Lower Upper
152 100
115 61.7 30.4 91.2
150 159.0 0.0 345.4



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: 28.597 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058719.D

Acq: 11 Oct 2019 21:52

Instrument :

MSVOA_N

ClientSampleId :

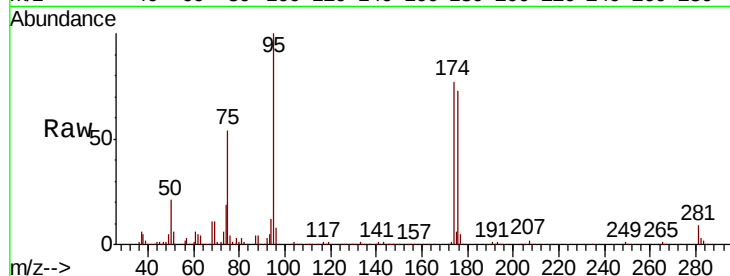
HHT-WATER

Tot Ion: 75 Resp: 140910

Ion Ratio Lower Upper

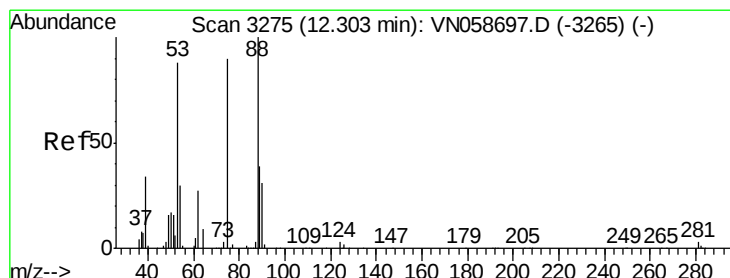
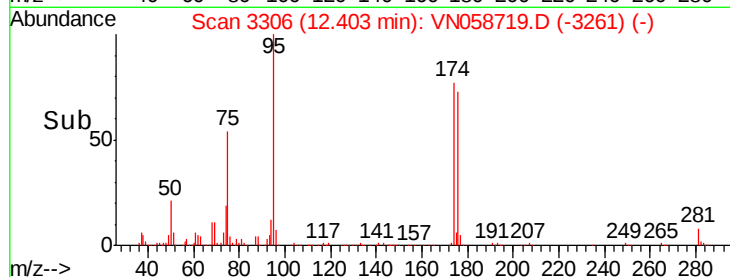
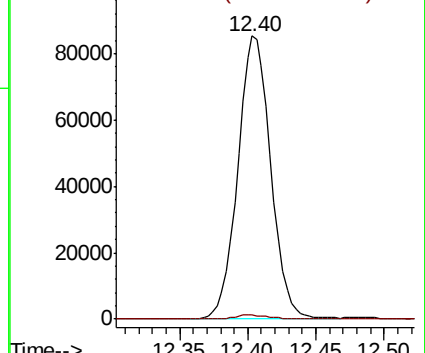
75 100

77 1.6 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: 76.603 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058719.D

Acq: 11 Oct 2019 21:52

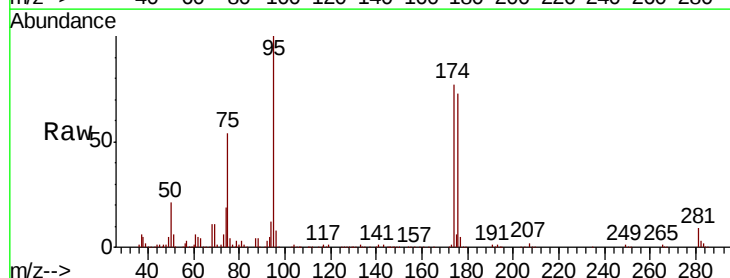
Tgt Ion: 75 Resp: 140910

Ion Ratio Lower Upper

75 100

53 0.0 78.4 117.6#

89 0.2 34.9 52.3#



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

