

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022219\
 Data File : VN053917.D
 Acq On : 22 Feb 2019 15:45
 Operator : JC/SP
 Sample : K1561-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Feb 22 23:40:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 21 03:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	639960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1047513	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1000412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	448586	50.00	ug/l	0.00

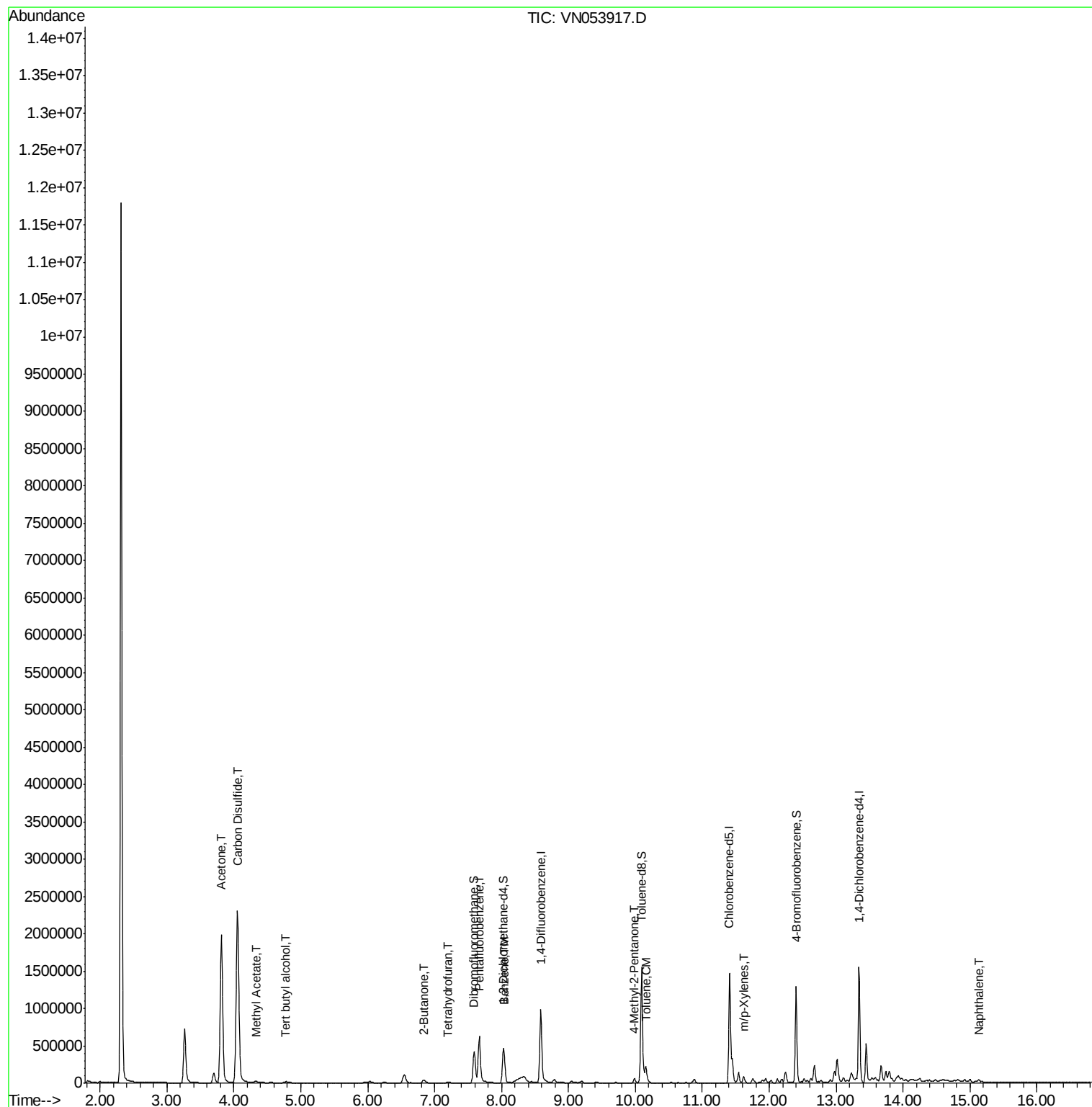
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	325124	49.71	ug/l	0.00
Spiked Amount						
			Recovery	=	99.42%	
35) Dibromofluoromethane	7.59	113	327226	47.60	ug/l	0.00
Spiked Amount						
			Recovery	=	95.20%	
50) Toluene-d8	10.09	98	1281191	51.60	ug/l	0.00
Spiked Amount						
			Recovery	=	103.20%	
62) 4-Bromofluorobenzene	12.40	95	451442	55.07	ug/l	0.00
Spiked Amount						
			Recovery	=	110.14%	

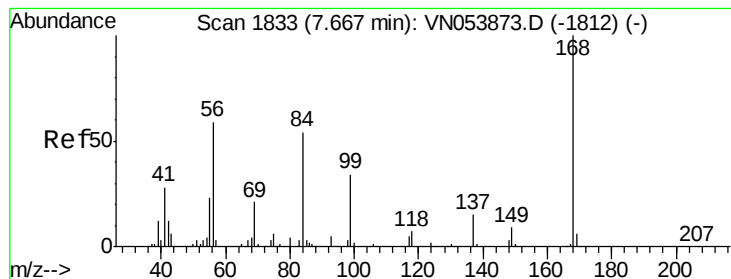
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	34655	84.879	ug/l #	84
16) Acetone	3.81	43	3285648	1826.667	ug/l	98
17) Carbon Disulfide	4.06	76	31734	1.725	ug/l	98
18) Methyl Acetate	4.33	43	25931	6.108	ug/l	99
25) 2-Butanone	6.84	43	82473	35.533	ug/l	99
29) Tetrahydrofuran	7.21	42	10572	7.043	ug/l	96
40) Benzene	8.04	78	137210	4.834	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	44712	14.796	ug/l	98
52) Toluene	10.16	92	92851	5.520	ug/l	99
68) m/p-Xylenes	11.62	106	30895	2.354	ug/l	100
95) Naphthalene	15.13	128	19383	5.601	ug/l #	77

(#) = 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: VN053917.D

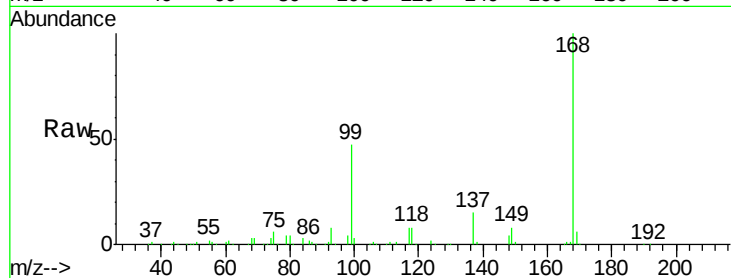
Acq: 22 Feb 2019 15:45

Tot Ion:168 Resp: 639960

Ion Ratio Lower Upper

168 100

99 46.7 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

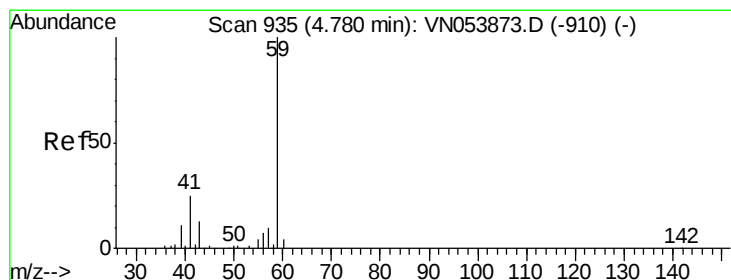
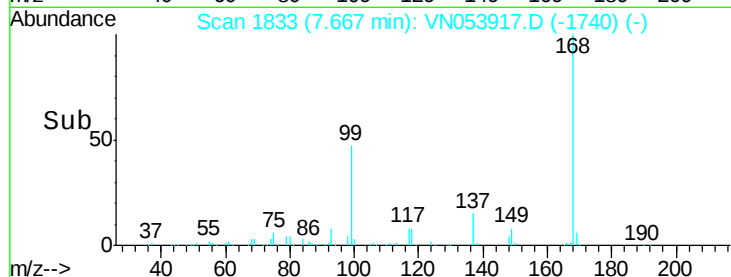
100000

50000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#11

Tert butyl alcohol

Concen: 84.879 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.00 min

Lab File: VN053917.D

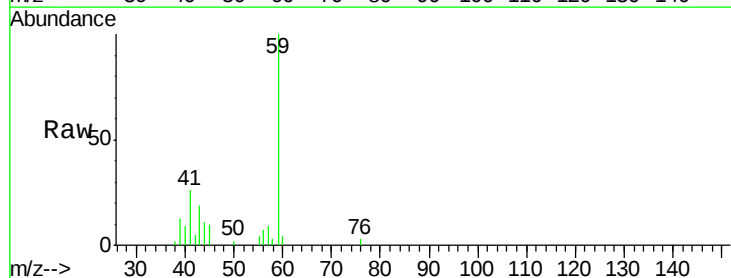
Acq: 22 Feb 2019 15:45

Tgt Ion: 59 Resp: 34655

Ion Ratio Lower Upper

59 100

57 4.2 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.78

10000

8000

6000

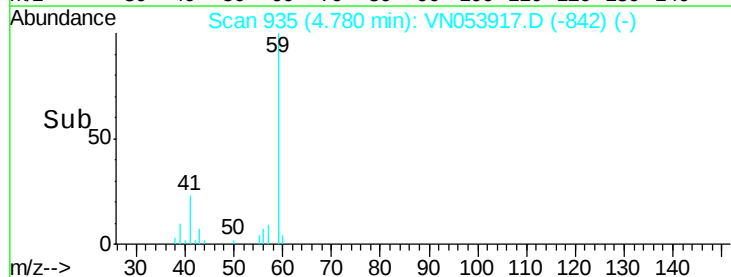
4000

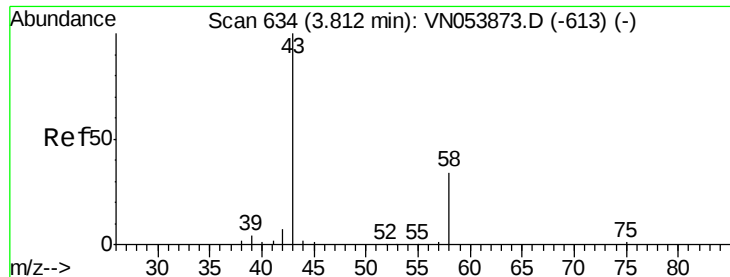
2000

0

4.70 4.80 4.90

Time-->





#16

Acetone

Concen: 1826.667 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN053917.D

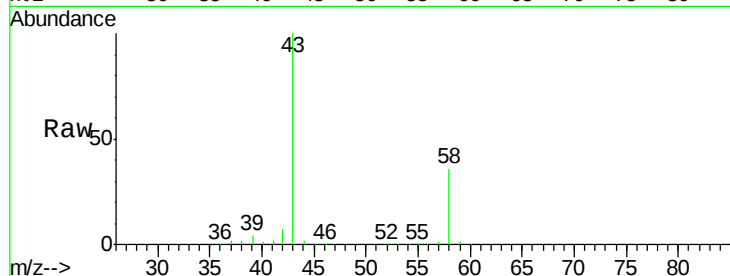
Acq: 22 Feb 2019 15:45

Tot Ion: 43 Resp: 3285648

Ion Ratio Lower Upper

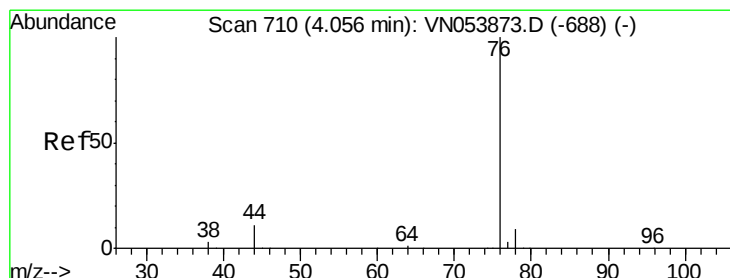
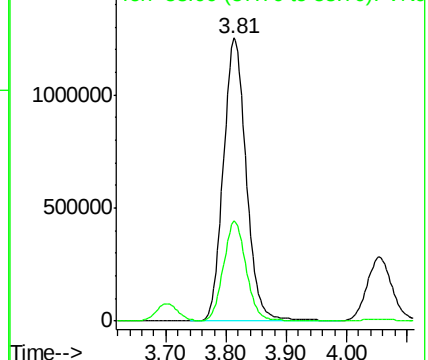
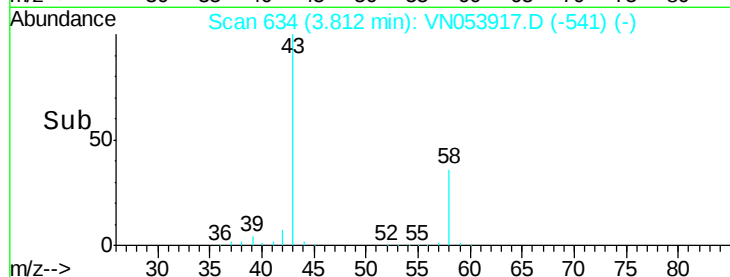
43 100

58 35.4 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VN053917.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN053917.D (-541) (-)



#17

Carbon Disulfide

Concen: 1.725 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053917.D

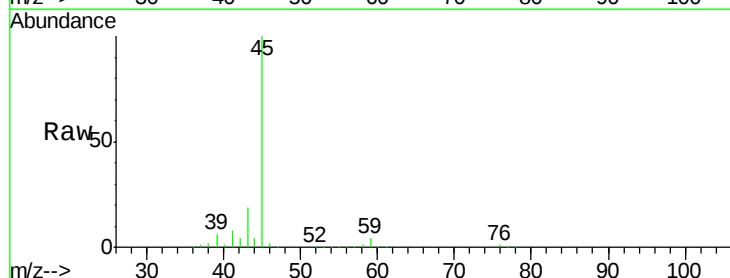
Acq: 22 Feb 2019 15:45

Tgt Ion: 76 Resp: 31734

Ion Ratio Lower Upper

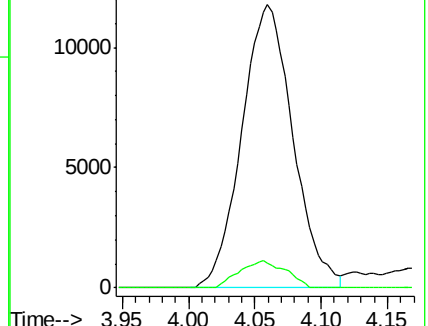
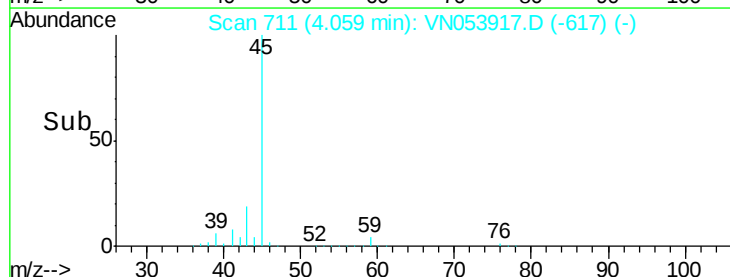
76 100

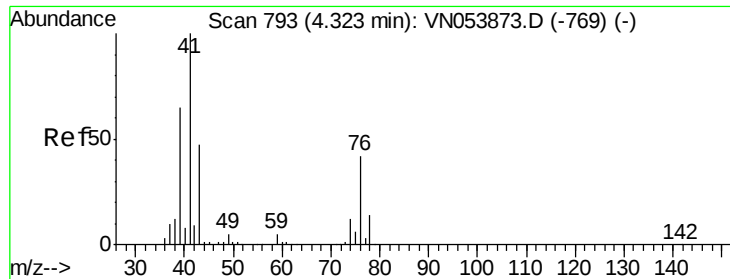
78 8.8 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN053917.D (-617) (-)

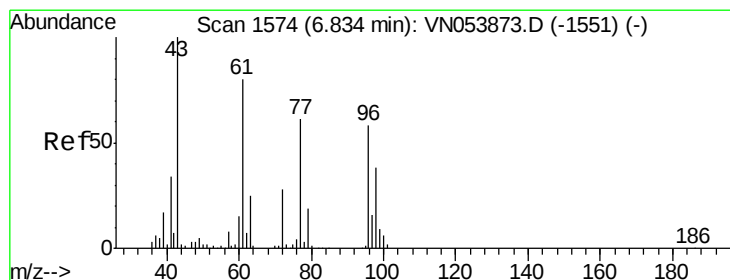
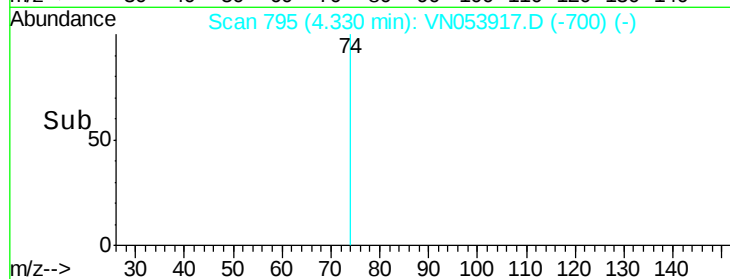
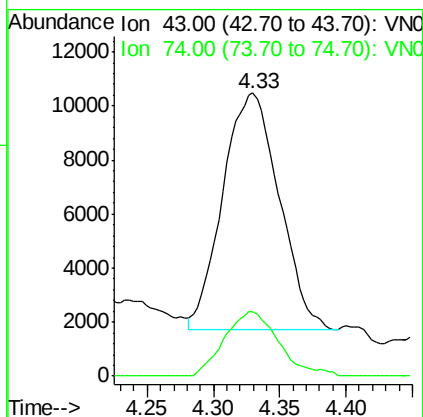
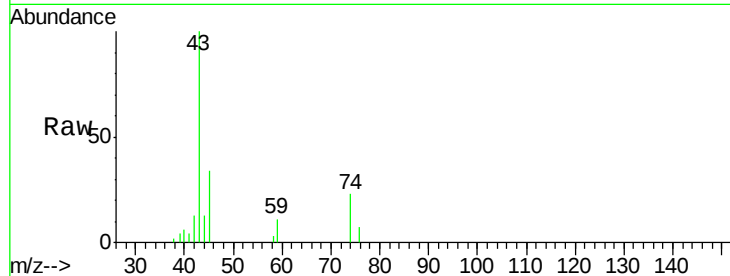
Ion 77.90 (77.60 to 78.60): VN053917.D (-617) (-)





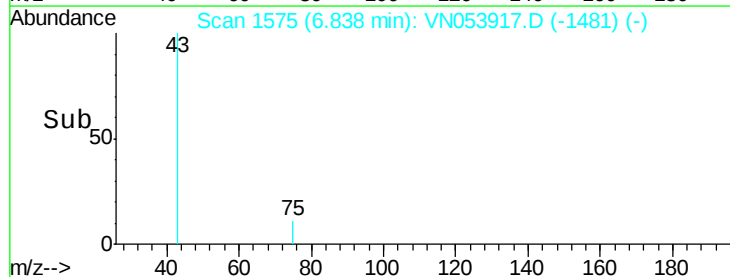
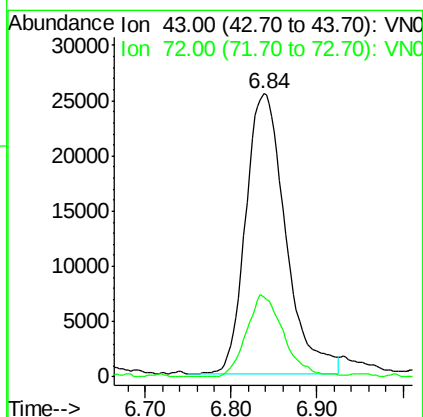
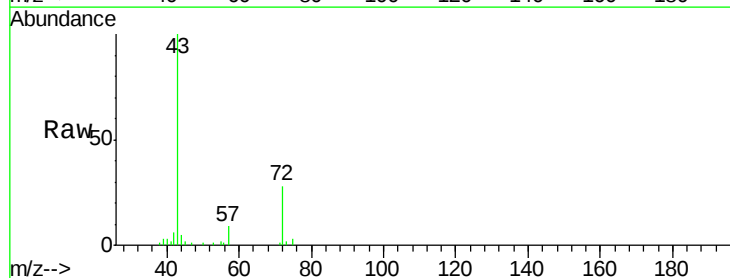
#18
Methvl Acetate
Concen: 6.108 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN053917.D
Acq: 22 Feb 2019 15:45

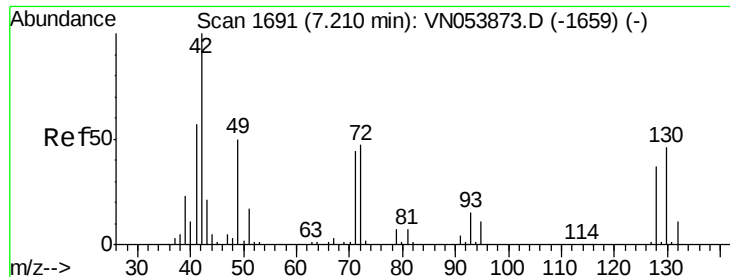
Tot Ion: 43 Resp: 25931
Ion Ratio Lower Upper
43 100
74 26.4 20.5 30.7



#25
2-Butanone
Concen: 35.533 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN053917.D
Acq: 22 Feb 2019 15:45

Tgt Ion: 43 Resp: 82473
Ion Ratio Lower Upper
43 100
72 28.3 22.1 33.1





#29

Tetrahydrofuran

Concen: 7.043 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VN053917.D

Acq: 22 Feb 2019 15:45

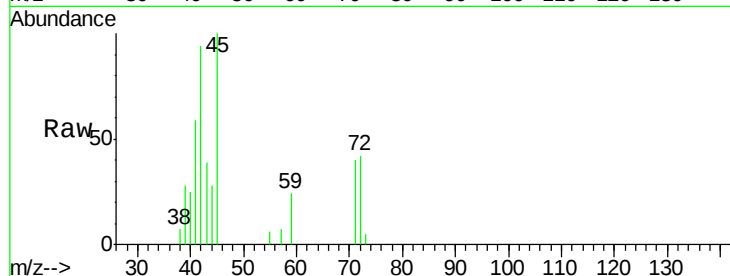
Tot Ion: 42 Resp: 10572

Ion Ratio Lower Upper

42 100

72 42.9 36.9 55.3

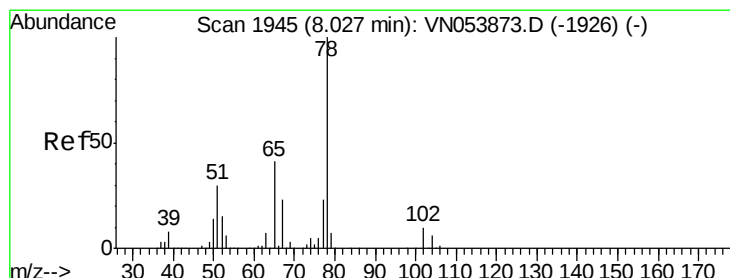
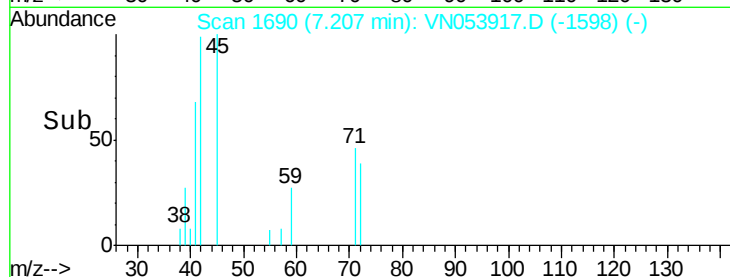
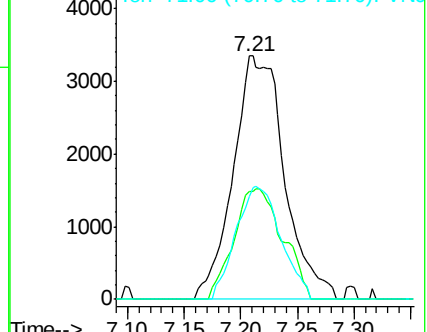
71 40.6 34.6 52.0



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



#33

1,2-Dichloroethane-d4

Concen: 49.711 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053917.D

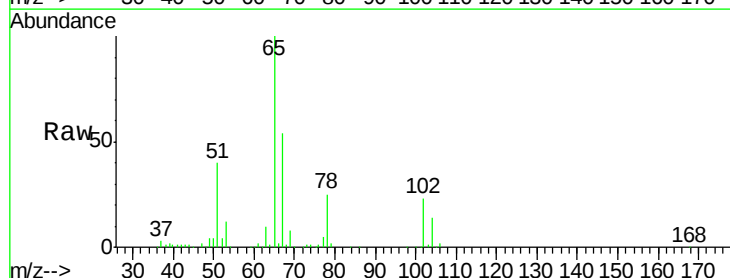
Acq: 22 Feb 2019 15:45

Tgt Ion: 65 Resp: 325124

Ion Ratio Lower Upper

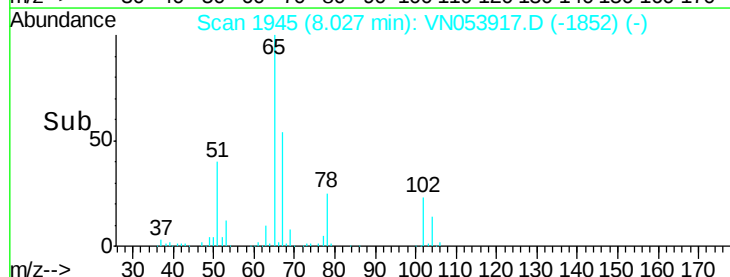
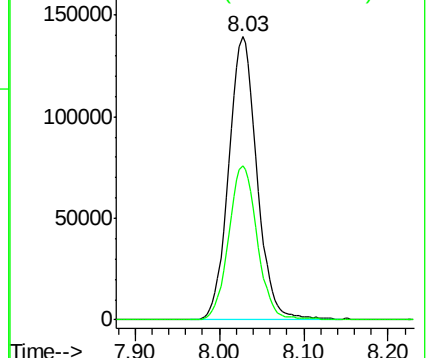
65 100

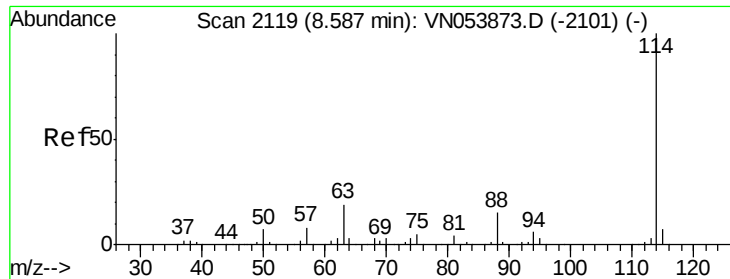
67 54.8 0.0 111.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

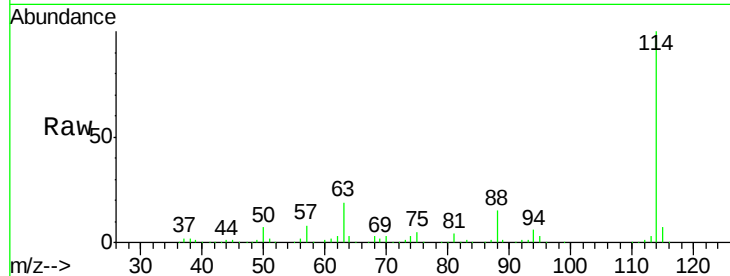




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053917.D
 Acq: 22 Feb 2019 15:45

Tot Ion:114 Resp: 1047513

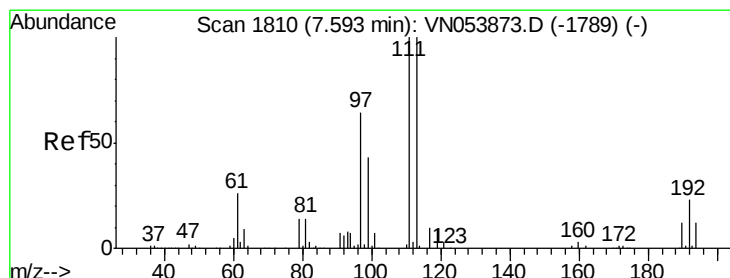
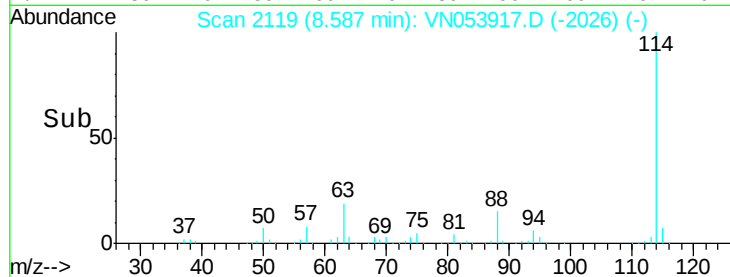
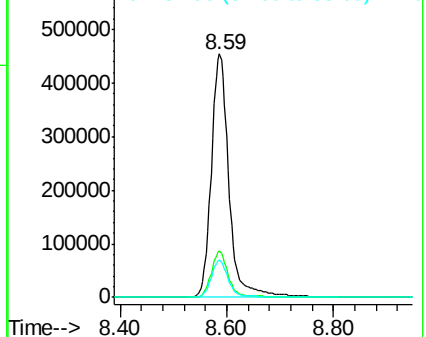
Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	37.4
88	15.2	0.0	30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

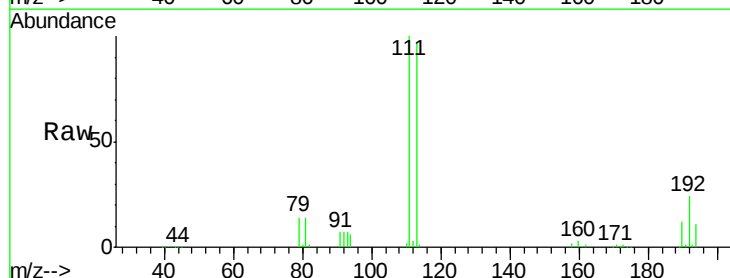
Ion 87.90 (87.60 to 88.60): V



#35
 Dibromofluoromethane
 Concen: 47.599 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053917.D
 Acq: 22 Feb 2019 15:45

Tgt Ion:113 Resp: 327226

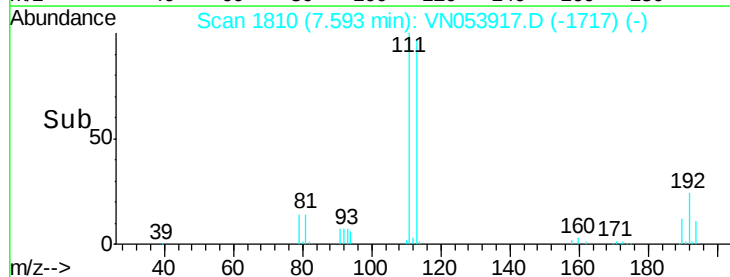
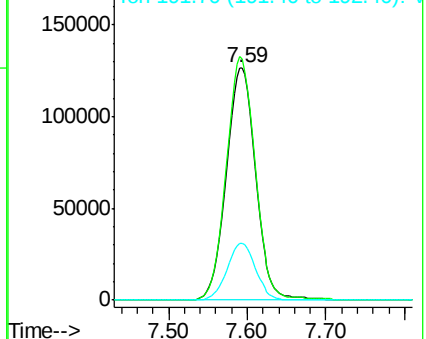
Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.1	121.7
192	23.8	18.8	28.2

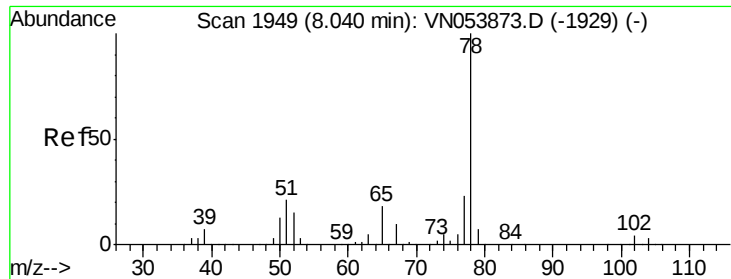


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 4.834 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN053917.D

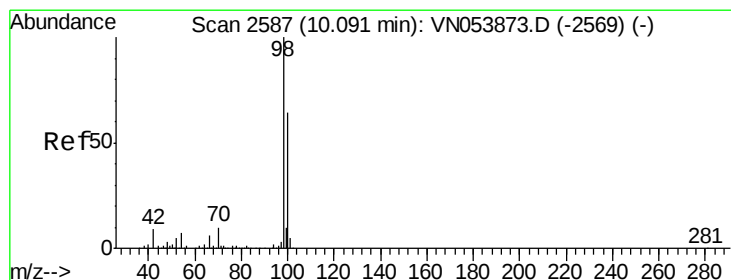
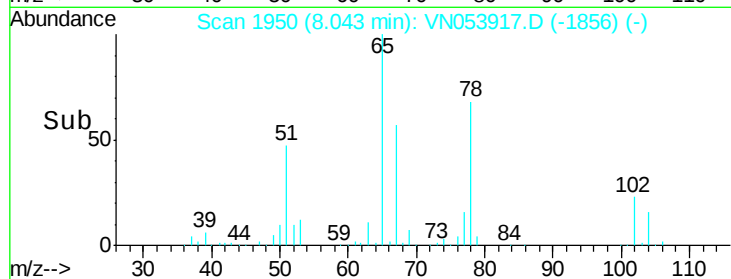
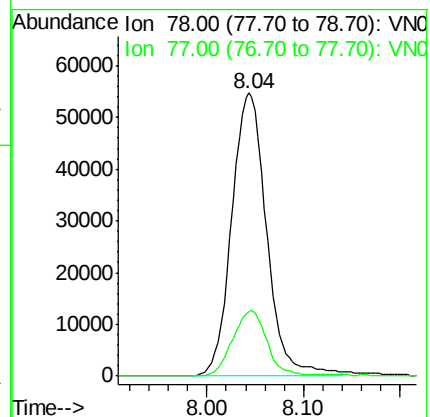
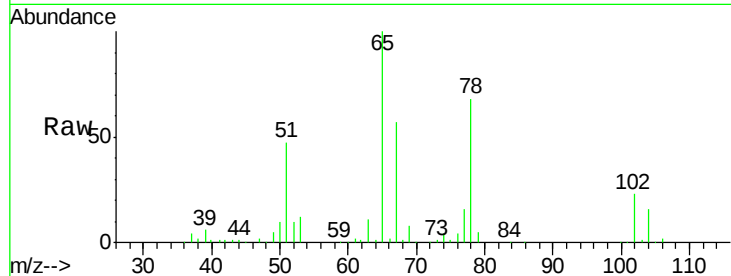
Acq: 22 Feb 2019 15:45

Tot Ion: 78 Resp: 137210

Ion Ratio Lower Upper

78 100

77 22.8 18.8 28.2



#50

Toluene-d8

Concen: 51.600 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053917.D

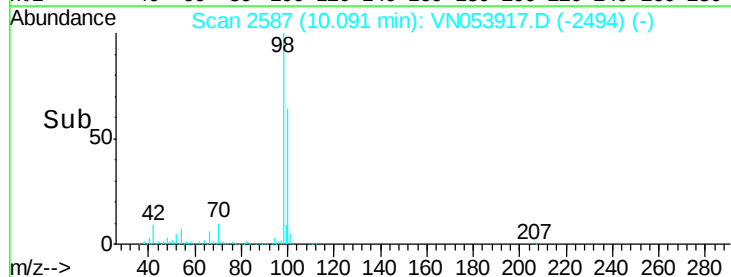
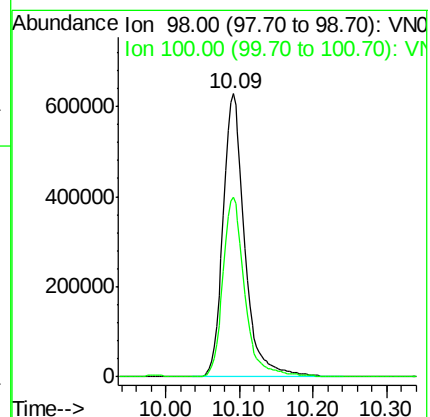
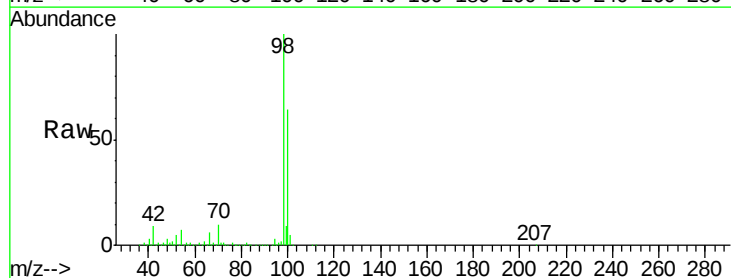
Acq: 22 Feb 2019 15:45

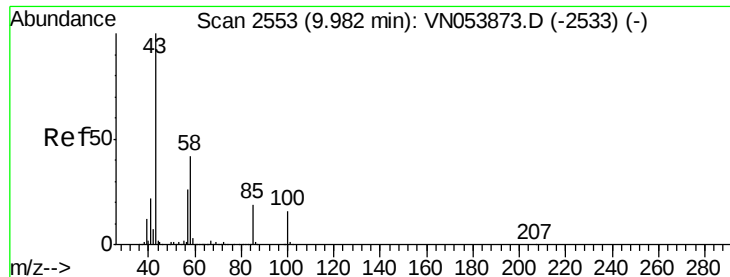
Tgt Ion: 98 Resp: 1281191

Ion Ratio Lower Upper

98 100

100 64.3 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 14.796 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053917.D

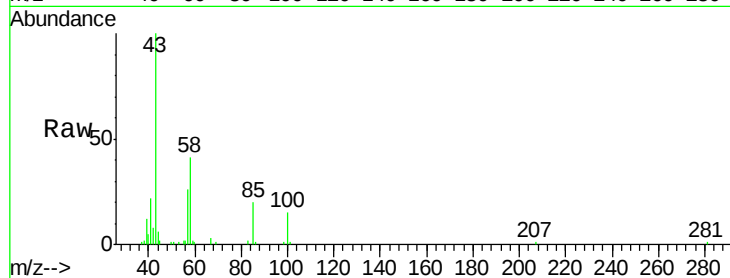
Acq: 22 Feb 2019 15:45

Tot Ion: 43 Resp: 44712

Ion Ratio Lower Upper

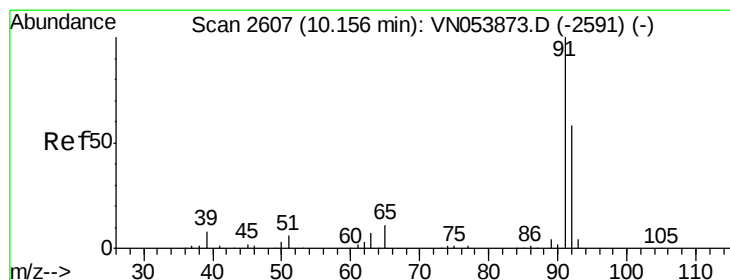
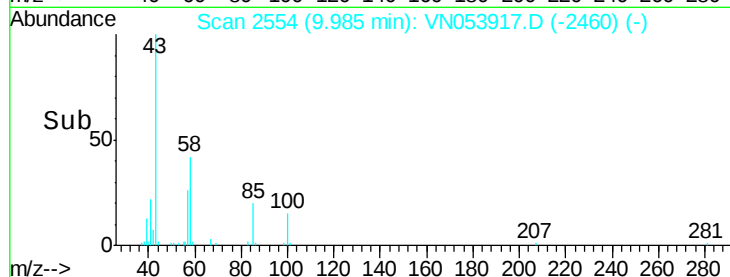
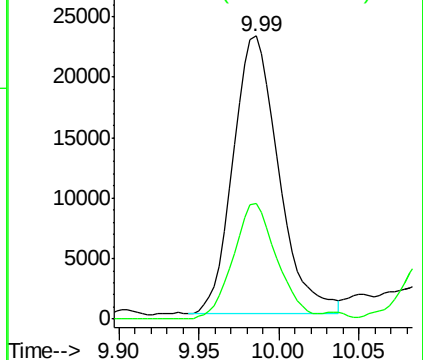
43 100

58 39.9 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 5.520 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053917.D

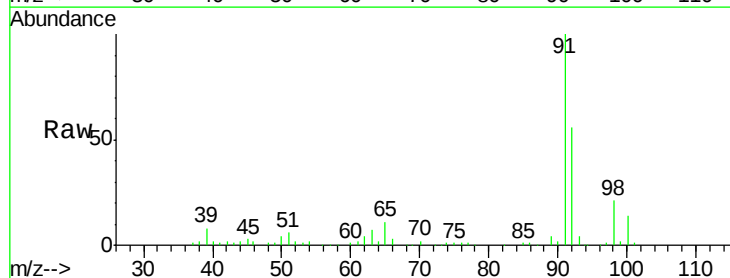
Acq: 22 Feb 2019 15:45

Tgt Ion: 92 Resp: 92851

Ion Ratio Lower Upper

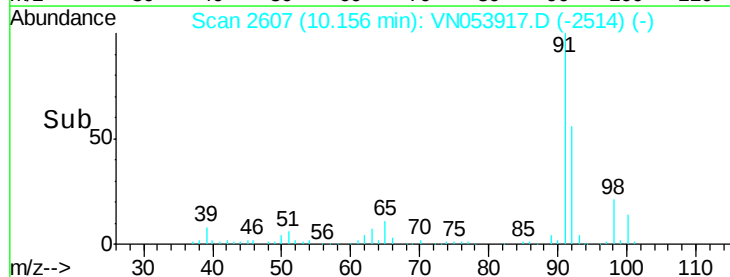
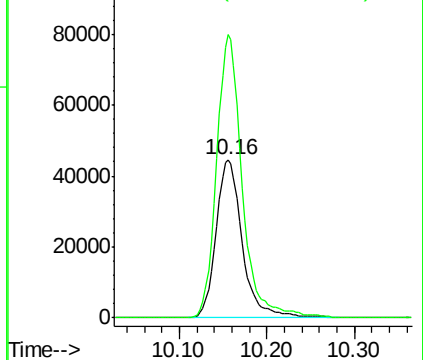
92 100

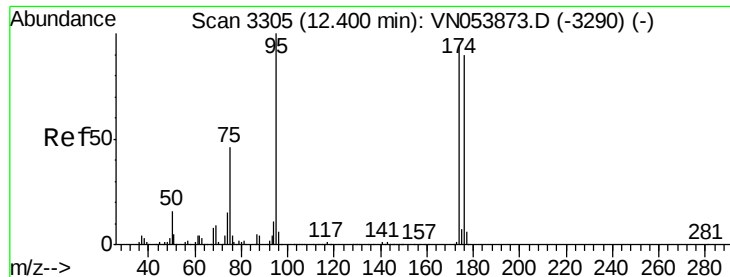
91 174.4 138.4 207.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#62

4-Bromofluorobenzene

Concen: 55.073 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053917.D

Acq: 22 Feb 2019 15:45

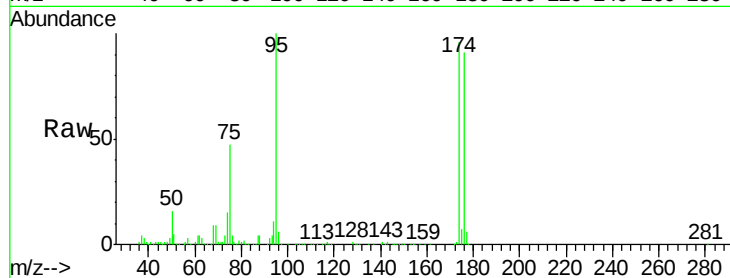
Tot Ion: 95 Resp: 451442

Ion Ratio Lower Upper

95 100

174 96.1 0.0 188.8

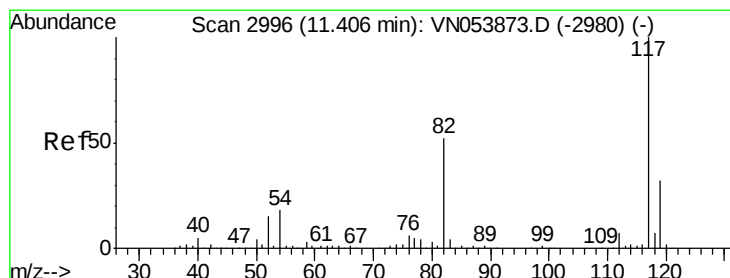
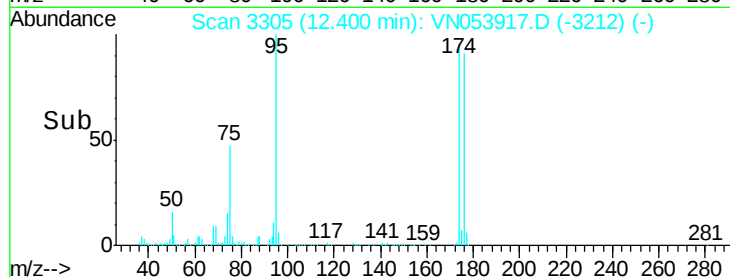
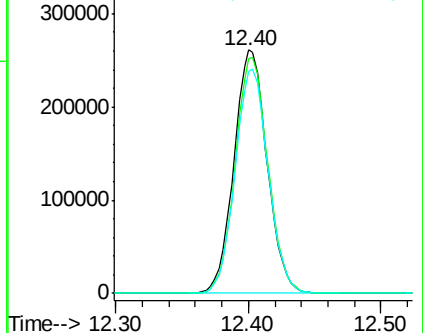
176 92.0 0.0 182.6



Abundance Ion 94.90 (94.60 to 95.60): VN053917.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN053917.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN053917.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053917.D

Acq: 22 Feb 2019 15:45

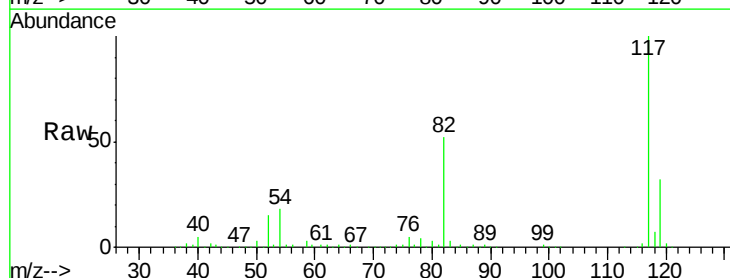
Tgt Ion: 117 Resp: 1000412

Ion Ratio Lower Upper

117 100

82 51.8 41.4 62.2

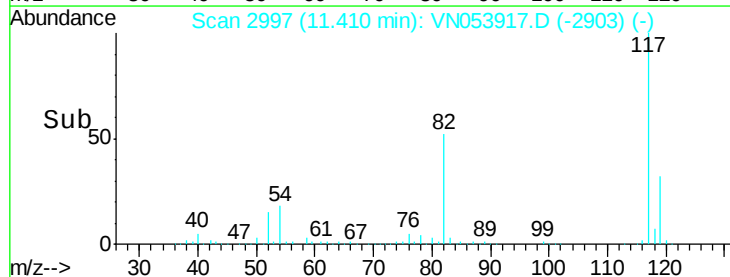
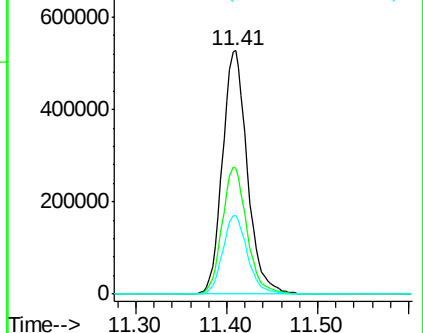
119 32.2 25.3 37.9

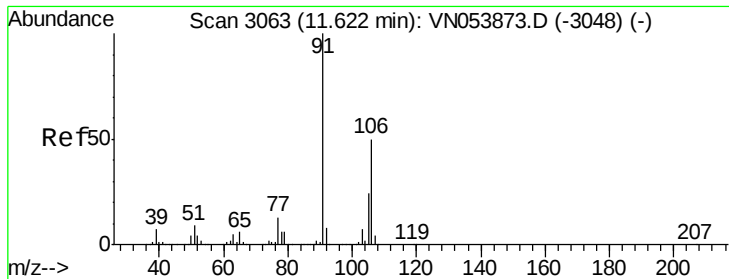


Abundance Ion 116.90 (116.60 to 117.60): VN053917.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN053917.D (-2903) (-)

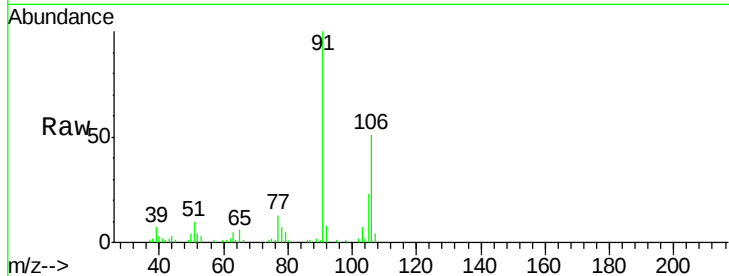
Ion 118.90 (118.60 to 119.60): VN053917.D (-2903) (-)



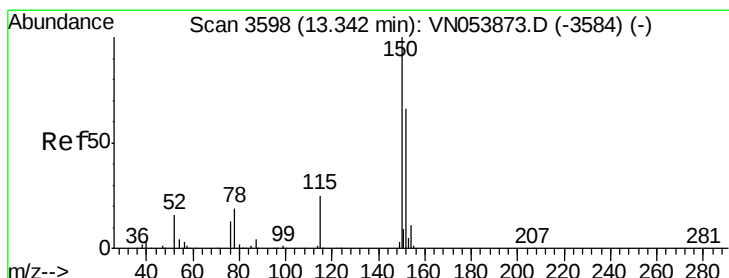
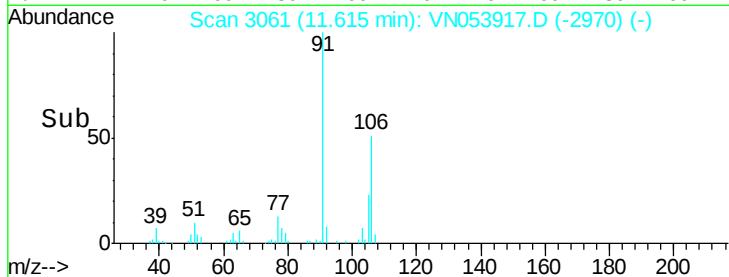
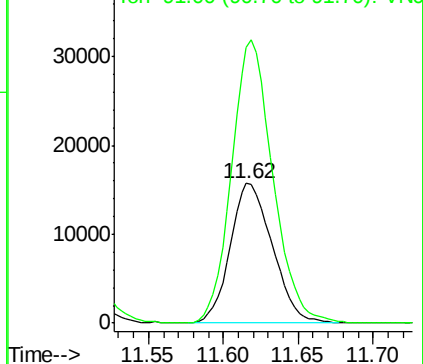


#68
m/p-Xvlenes
Concen: 2.354 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN053917.D
Acq: 22 Feb 2019 15:45

Tot Ion:106 Resp: 30895
Ion Ratio Lower Upper
106 100
91 198.0 158.9 238.3

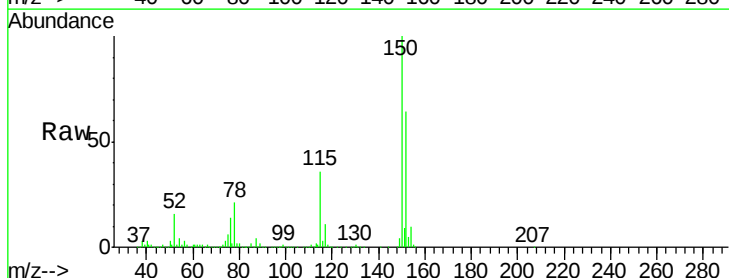


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

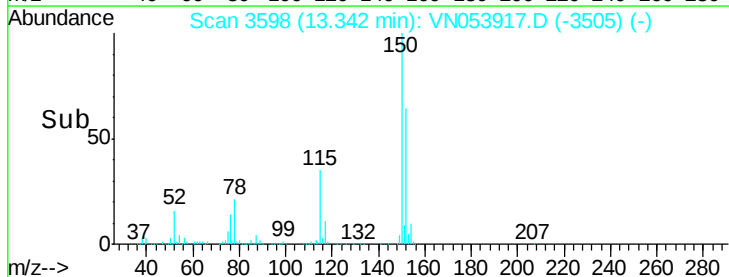
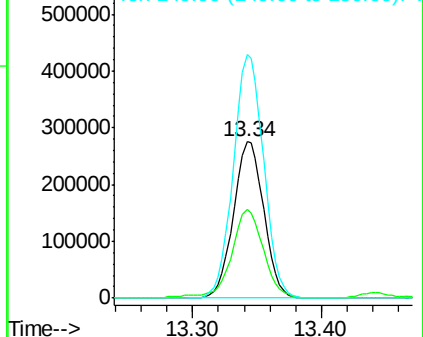


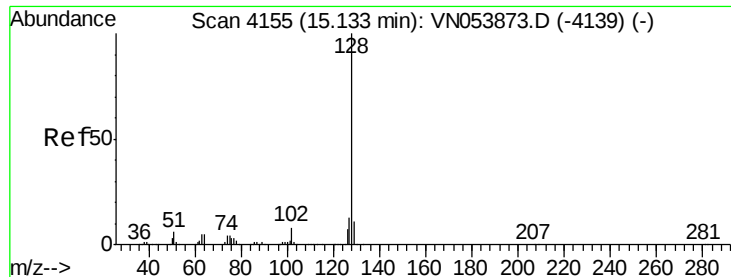
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN053917.D
Acq: 22 Feb 2019 15:45

Tgt Ion:152 Resp: 448586
Ion Ratio Lower Upper
152 100
115 59.9 27.2 81.6
150 155.6 0.0 348.2



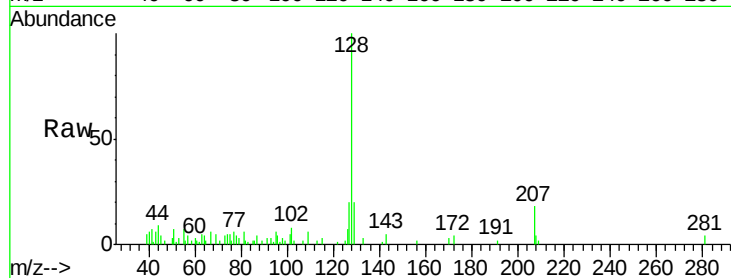
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#95
Naphthalene
Concen: 5.601 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053917.D
Acq: 22 Feb 2019 15:45

Tot Ion	Ratio	Lower	Upper
128	100		
127	22.4	10.2	15.2
129	18.9	8.6	12.8



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

