

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN021819\
 Data File : VN053854.D
 Acq On : 18 Feb 2019 20:09
 Operator : JC/SP
 Sample : K1518-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-1

Quant Time: Feb 19 03:04:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	614166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1074957	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1054625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	414113	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	345921	56.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.28%	
35) Dibromofluoromethane	7.59	113	344728	50.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.50%	
50) Toluene-d8	10.09	98	1325823	51.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.98%	
62) 4-Bromofluorobenzene	12.40	95	457030	53.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.46%	

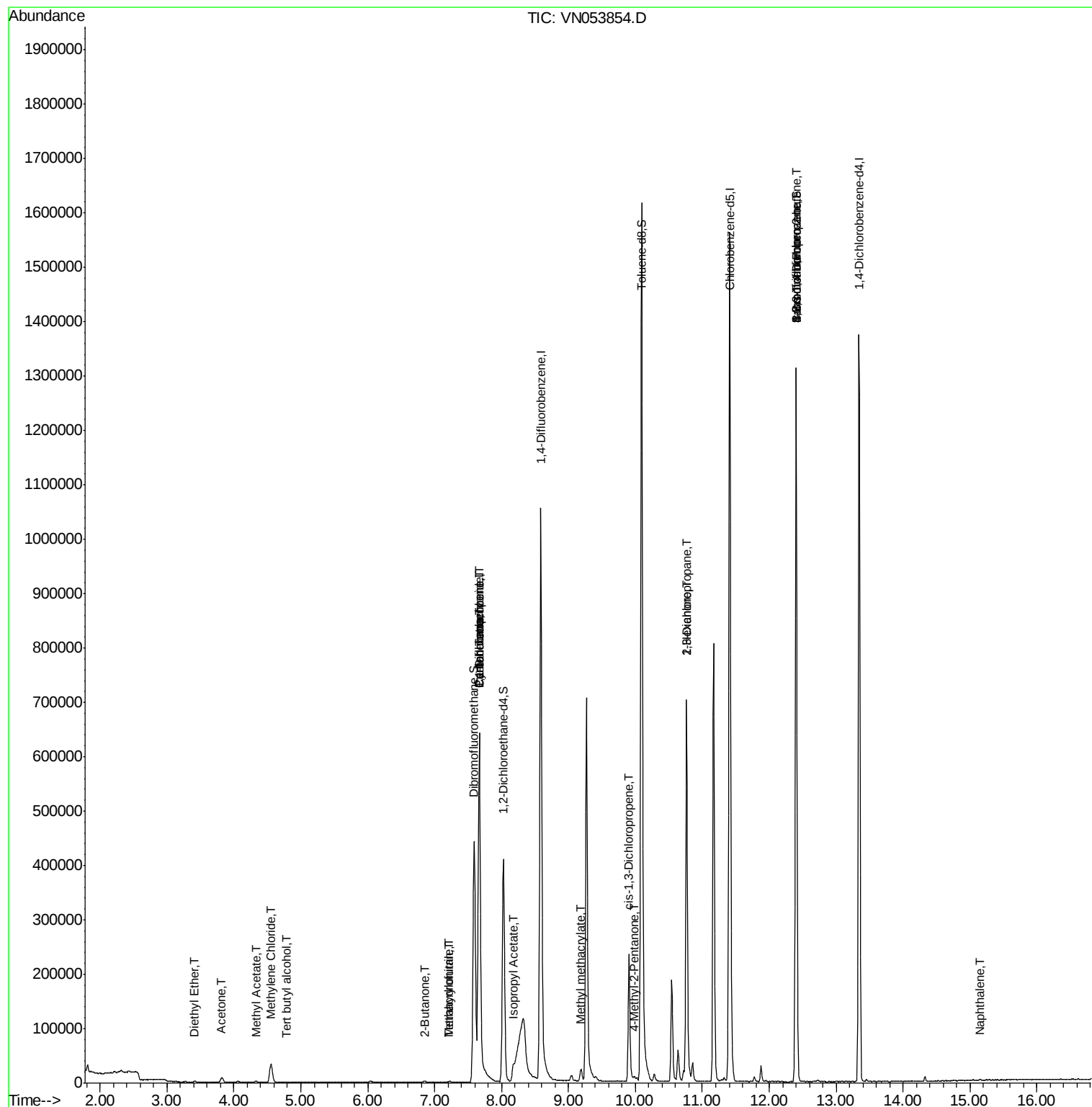
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.42	74	1025	0.292	ug/l #	49
11) Tert butyl alcohol	4.78	59	149	0.409	ug/l #	72
16) Acetone	3.81	43	16883	10.683	ug/l	97
18) Methyl Acetate	4.33	43	3249	0.694	ug/l #	88
20) Methylene Chloride	4.55	84	27252	4.110	ug/l	96
25) 2-Butanone	6.85	43	3454	1.532	ug/l	90
29) Tetrahydrofuran	7.22	42	1211	0.837	ug/l #	55
31) Cyclohexane	7.67	56	8383	0.637	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	37292	3.848	ug/l #	49
38) Carbon Tetrachloride	7.67	117	51371	5.263	ug/l #	16
41) Methacrylonitrile	7.23	41	919	0.304	ug/l #	25
43) Isopropyl Acetate	8.17	43	29858	2.857	ug/l #	72
48) Methyl methacrylate	9.18	41	8019	1.607	ug/l #	21
51) 4-Methyl-2-Pentanone	9.99	43	4867	0.948	ug/l	99
54) cis-1,3-Dichloropropene	9.90	75	48287	4.248	ug/l #	62
57) 1,3-Dichloropropane	10.77	76	8401	0.769	ug/l #	43
59) 2-Hexanone	10.76	43	103653	29.729	ug/l #	50
71) Bromoform	12.40	173	3167	0.590	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	210726	39.617	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	210726	111.401	ug/l #	15
95) Naphthalene	15.14	128	1129	1.796	ug/l #	69

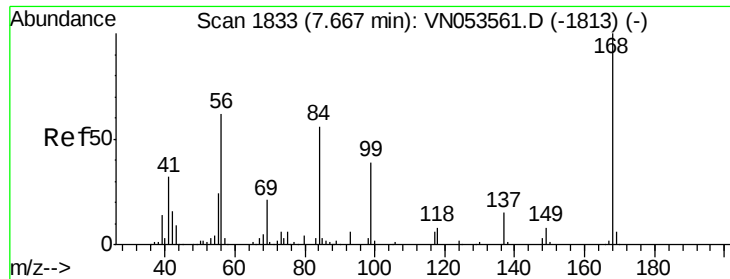
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN021819\
Data File : VN053854.D
Acq On : 18 Feb 2019 20:09
Operator : JC/SP
Sample : K1518-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-1

Quant Time: Feb 19 03:04:18 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053854.D

Acq: 18 Feb 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

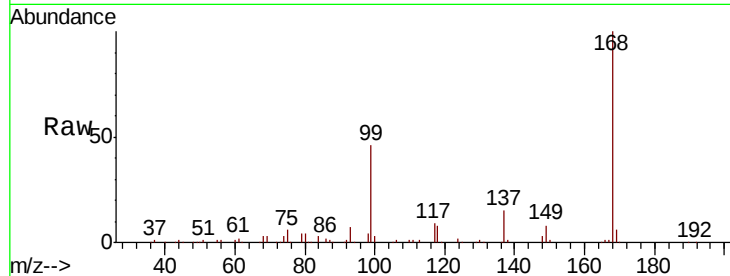
CABLE-BRIDGE-FOUNDATION-D-1

Tgt Ion:168 Resp: 614166

Ion Ratio Lower Upper

168 100

99 46.2 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

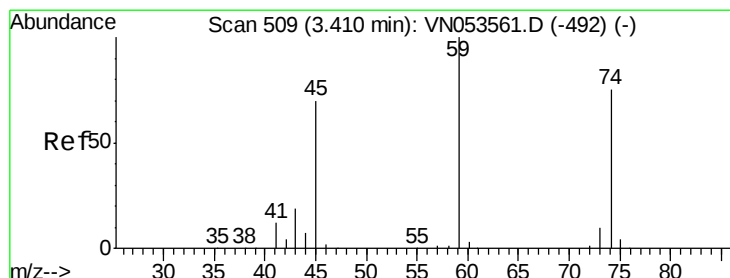
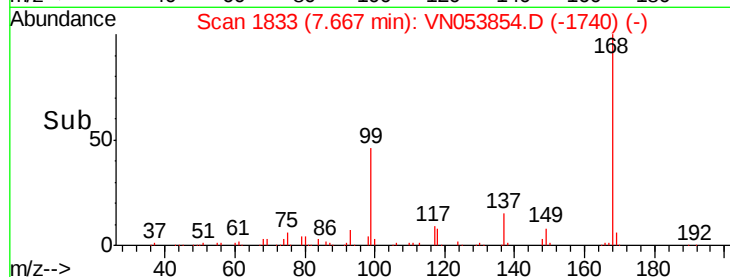
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 0.292 ug/l

RT: 3.42 min Scan# 511

Delta R.T. 0.01 min

Lab File: VN053854.D

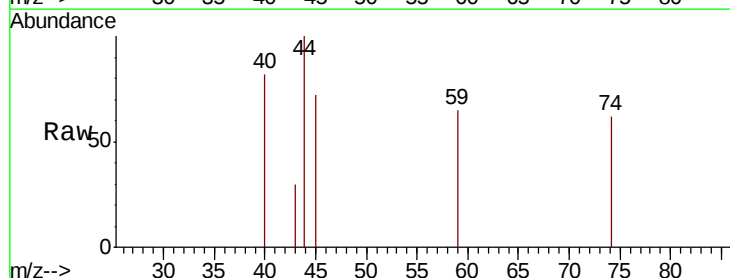
Acq: 18 Feb 2019 20:09

Tgt Ion: 74 Resp: 1025

Ion Ratio Lower Upper

74 100

45 46.0 47.9 143.7#



Abundance Ion 74.00 (73.70 to 74.70): VN

Ion 45.00 (44.70 to 45.70): VN

3.42

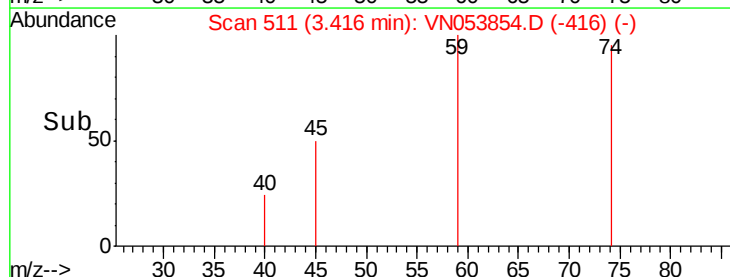
600

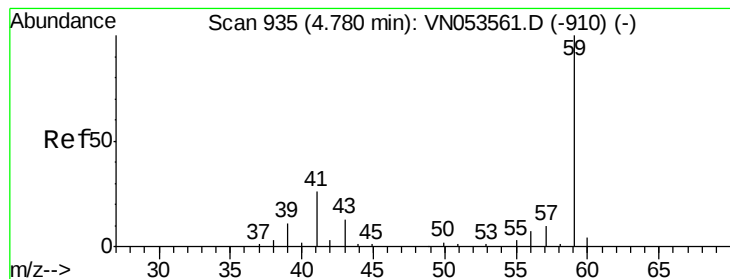
400

200

0

Time-->



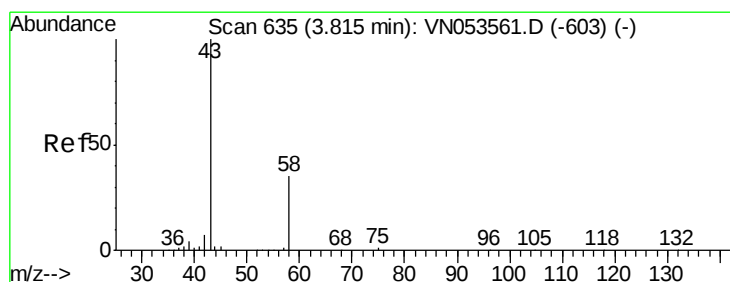
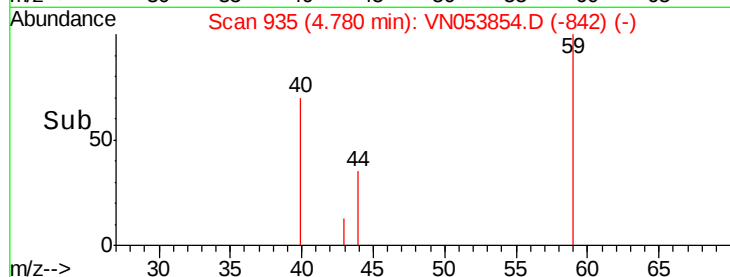
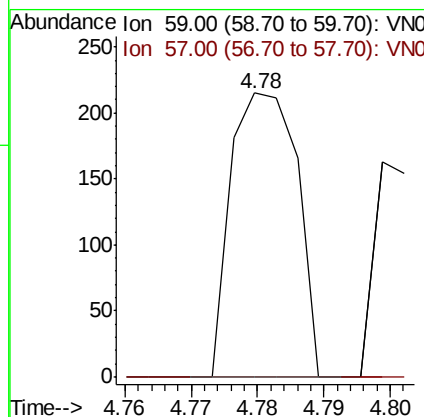
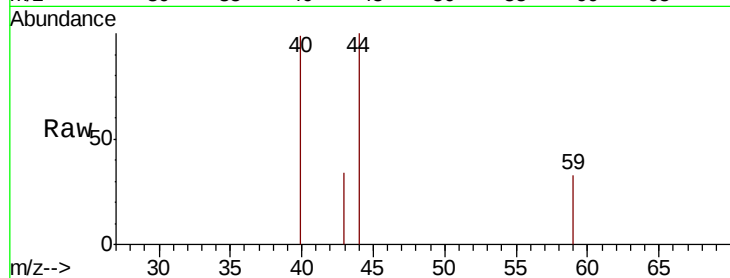


#11

Tert butyl alcohol
 Concen: 0.409 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VN053854.D
 Acq: 18 Feb 2019 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-1

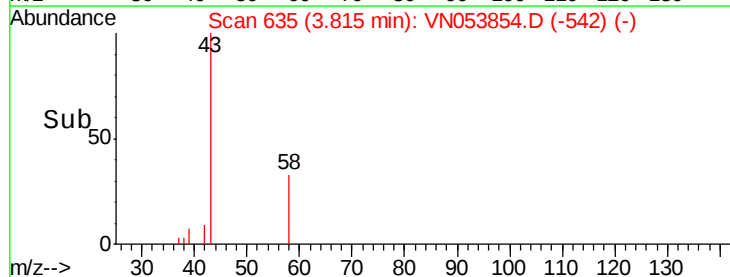
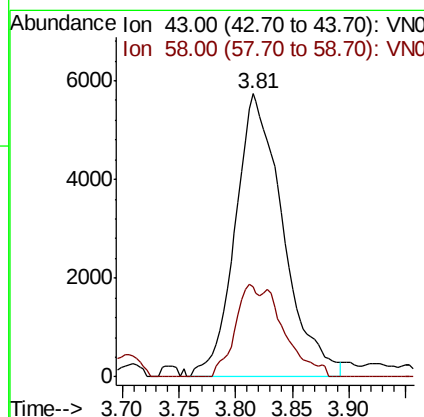
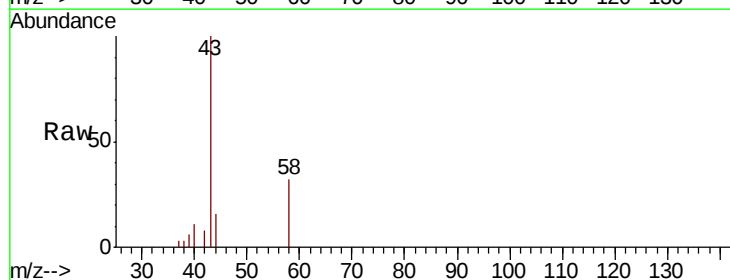
Tgt Ion: 59 Resp: 149
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

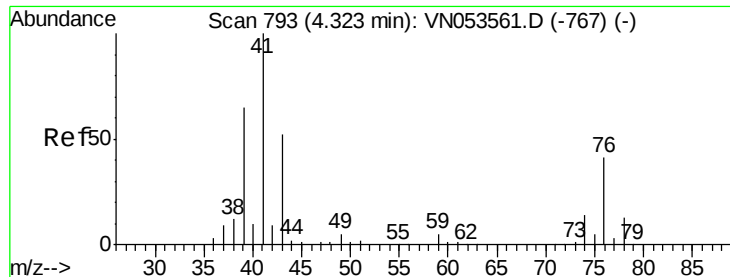


#16

Acetone
 Concen: 10.683 ug/l
 RT: 3.81 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: VN053854.D
 Acq: 18 Feb 2019 20:09

Tgt Ion: 43 Resp: 16883
 Ion Ratio Lower Upper
 43 100
 58 32.0 27.1 40.7

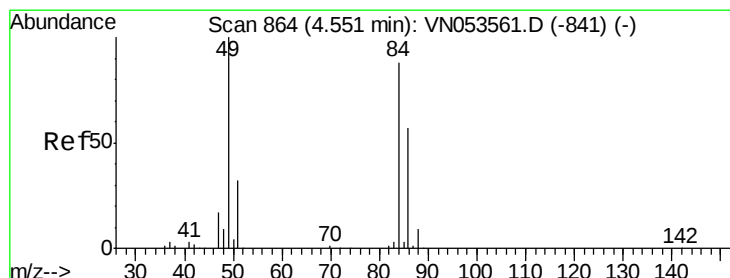
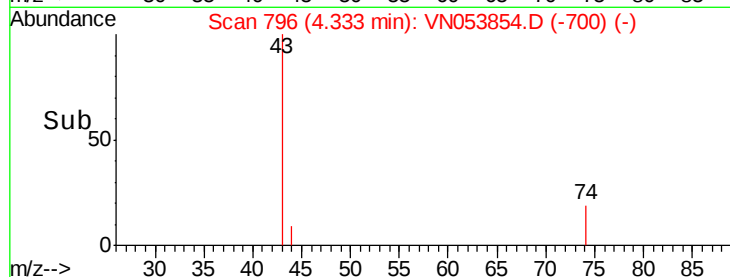
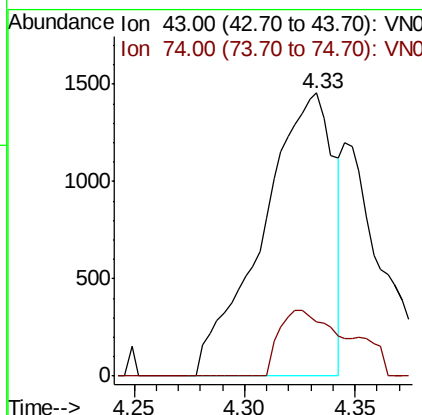
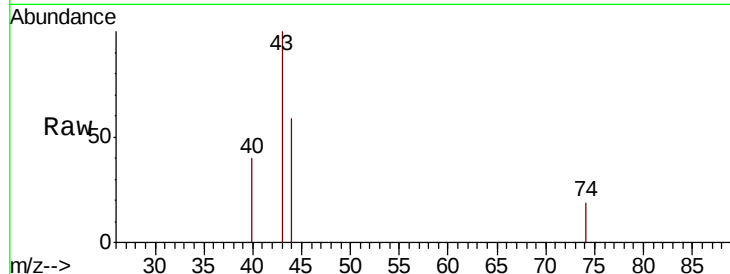




#18
Methyl Acetate
Concen: 0.694 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN053854.D
Acq: 18 Feb 2019 20:09

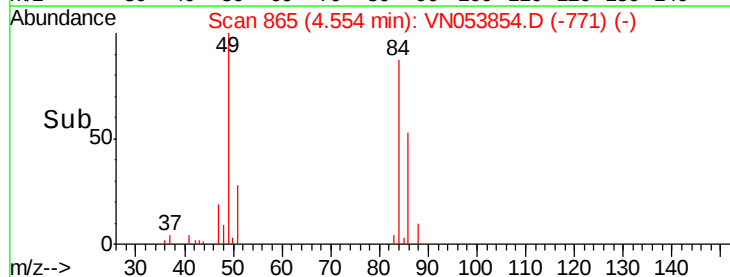
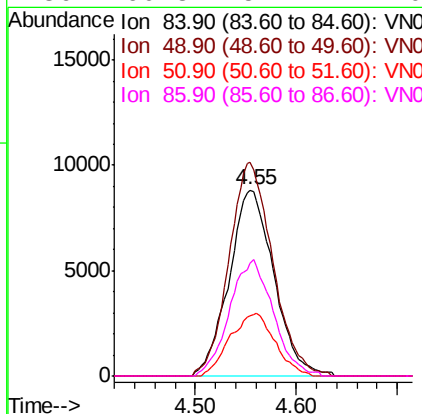
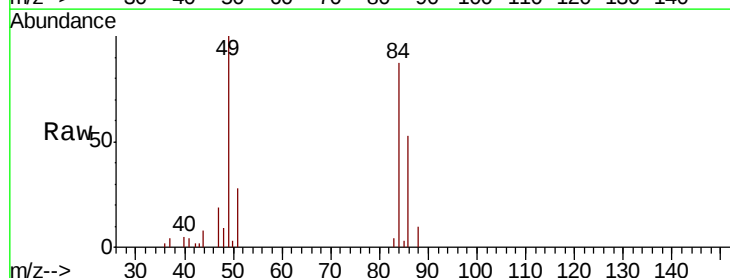
Instrument :
MSVOA_N
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-1

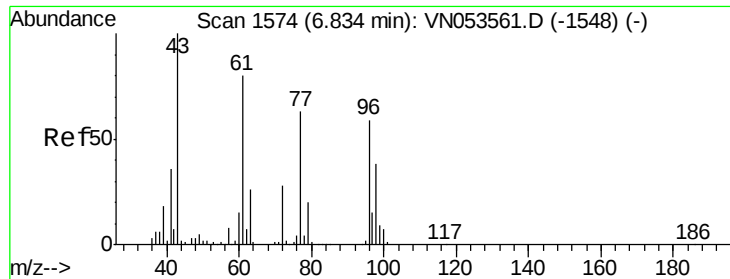
Tgt Ion: 43 Resp: 3249
Ion Ratio Lower Upper
43 100
74 18.4 19.4 29.2#



#20
Methylene Chloride
Concen: 4.110 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053854.D
Acq: 18 Feb 2019 20:09

Tgt Ion: 84 Resp: 27252
Ion Ratio Lower Upper
84 100
49 114.7 94.3 141.5
51 32.4 29.4 44.2
86 60.8 51.4 77.0





#25

2-Butanone

Concen: 1.532 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.01 min

Lab File: VN053854.D

Acq: 18 Feb 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

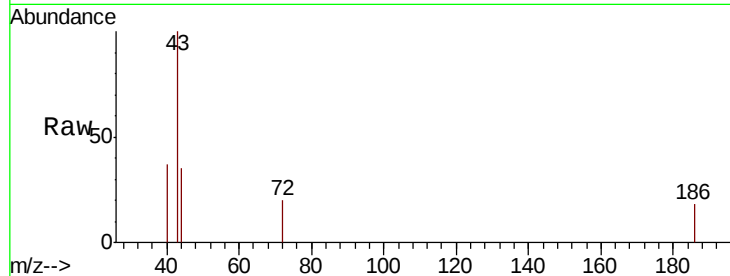
CABLE-BRIDGE-FOUNDATION-D-1

Tgt Ion: 43 Resp: 3454

Ion Ratio Lower Upper

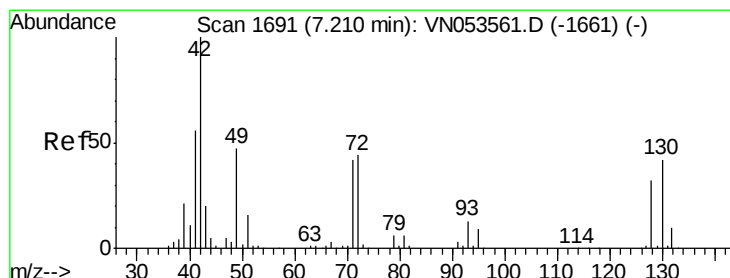
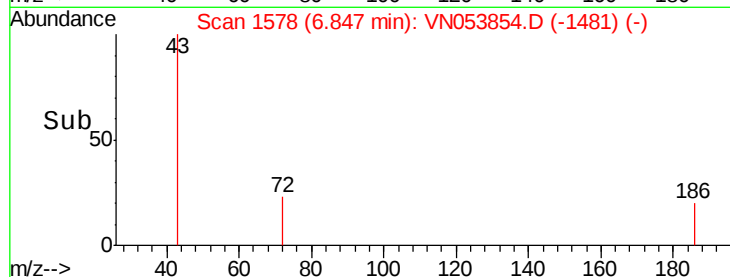
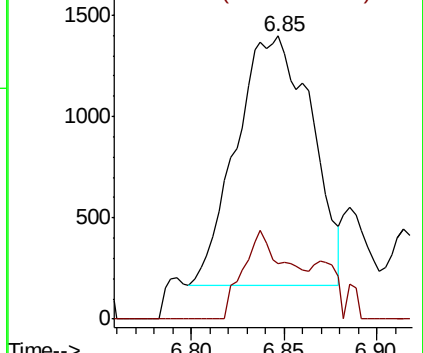
43 100

72 22.4 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#29

Tetrahydrofuran

Concen: 0.837 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VN053854.D

Acq: 18 Feb 2019 20:09

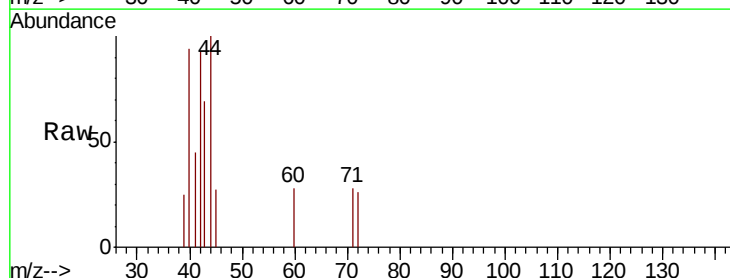
Tgt Ion: 42 Resp: 1211

Ion Ratio Lower Upper

42 100

72 10.5 35.2 52.8#

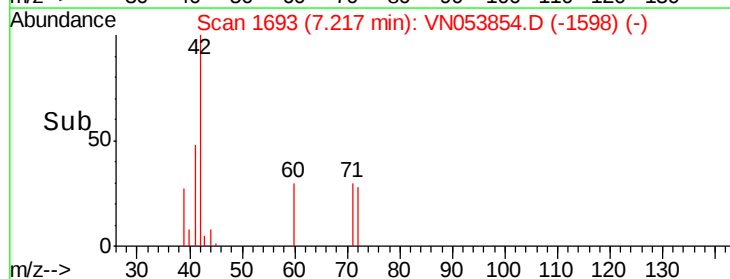
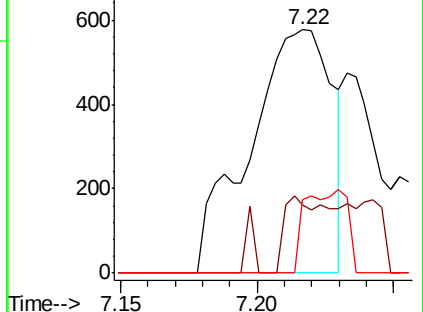
71 17.3 33.0 49.4#

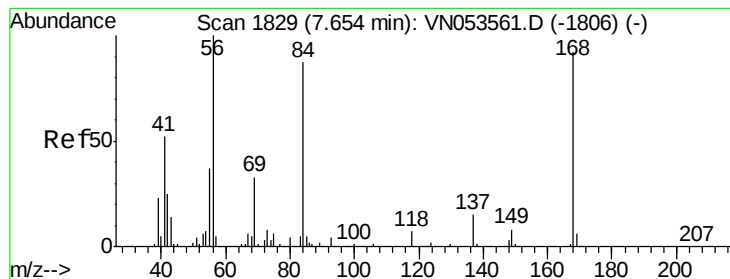


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0





#31

Cyclohexane

Concen: 0.637 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN053854.D

Acq: 18 Feb 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-1

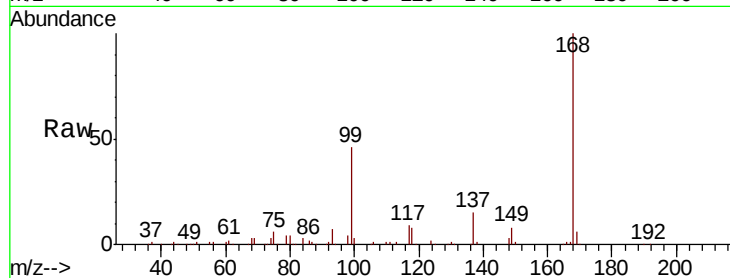
Tgt Ion: 56 Resp: 8383

Ion Ratio Lower Upper

56 100

69 210.7 26.4 39.6#

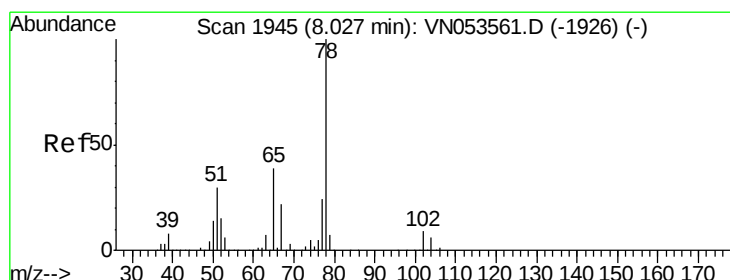
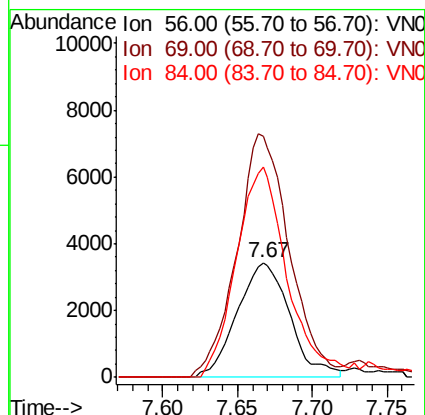
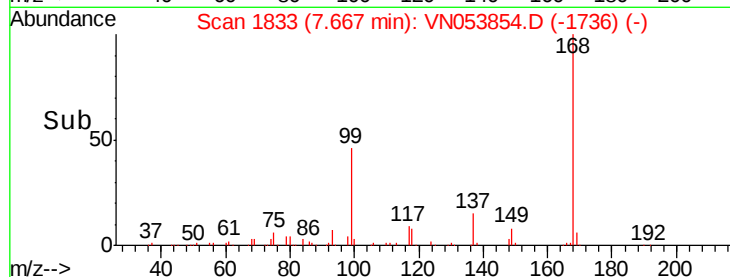
84 184.2 67.9 101.9#



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: 56.144 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053854.D

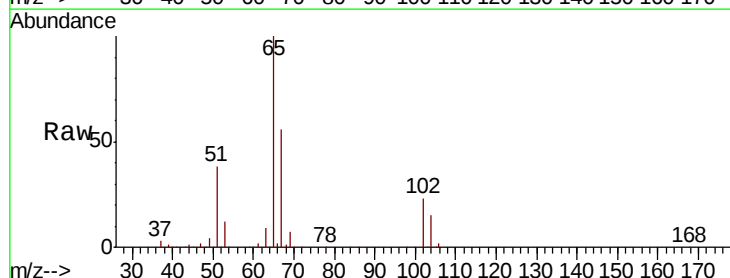
Acq: 18 Feb 2019 20:09

Tgt Ion: 65 Resp: 345921

Ion Ratio Lower Upper

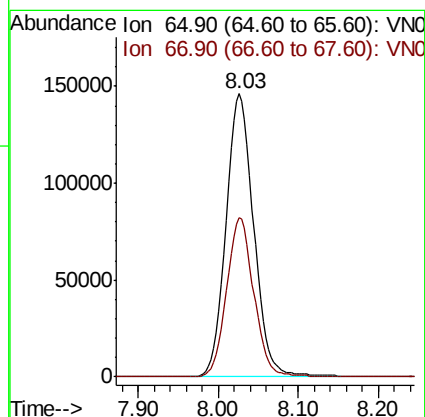
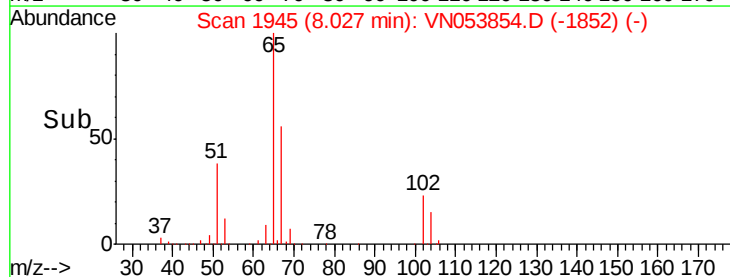
65 100

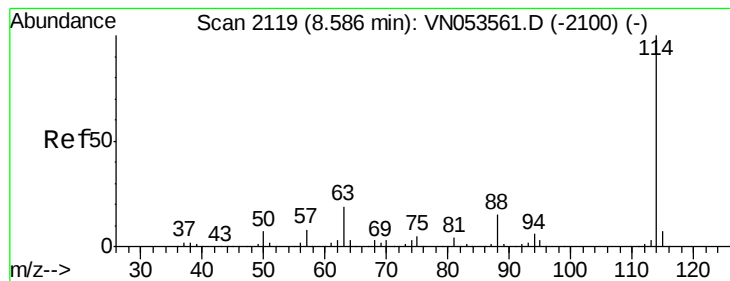
67 55.3 0.0 111.2



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: VN053854.D

Acq: 18 Feb 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-1

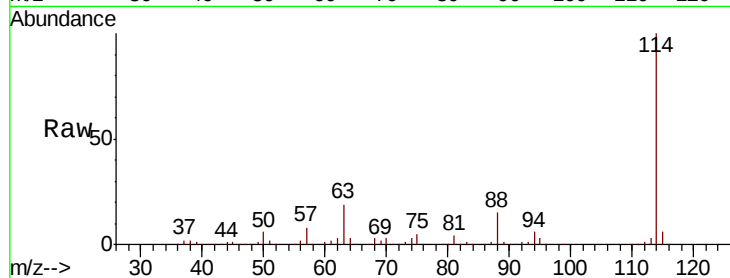
Tgt Ion:114 Resp: 1074957

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.6

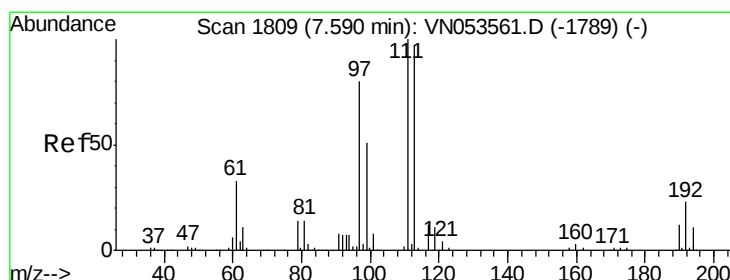
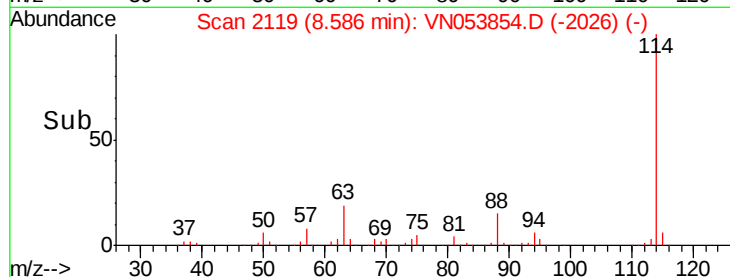
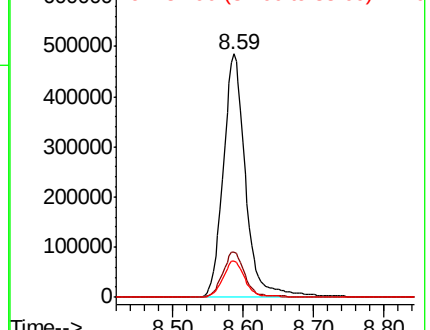
88 15.0 0.0 30.4



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: 50.752 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053854.D

Acq: 18 Feb 2019 20:09

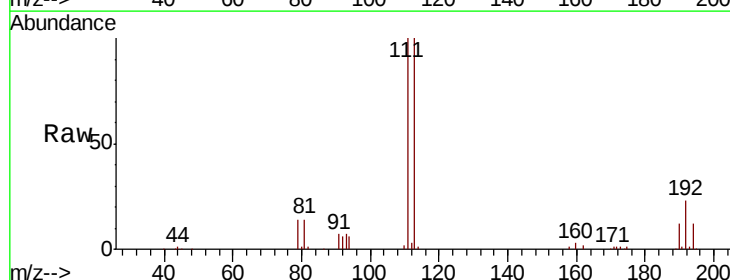
Tgt Ion:113 Resp: 344728

Ion Ratio Lower Upper

113 100

111 102.5 81.1 121.7

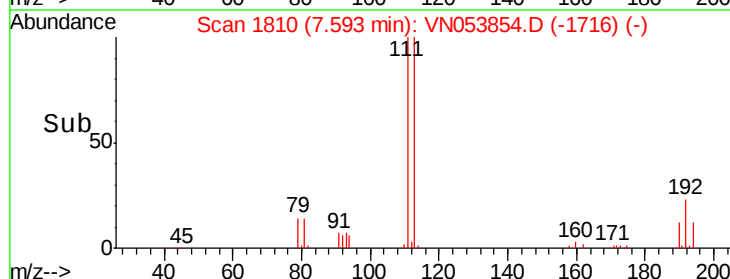
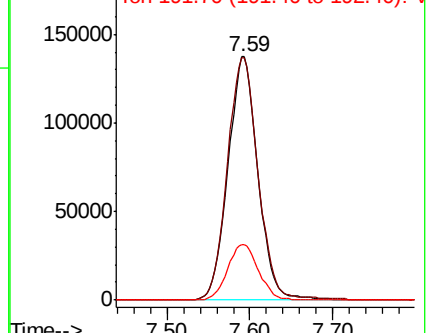
192 23.6 18.2 27.2

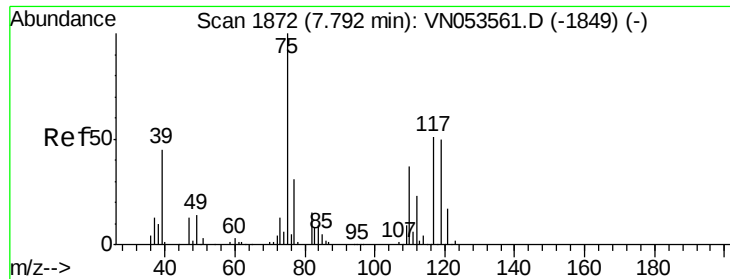


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

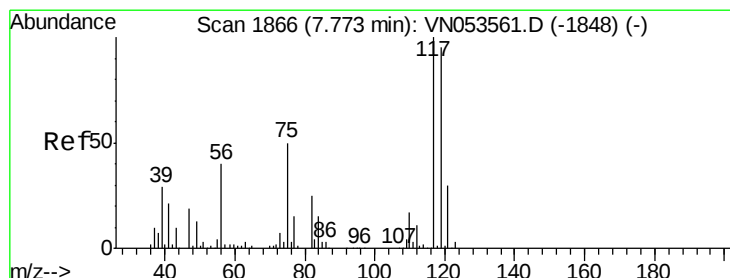
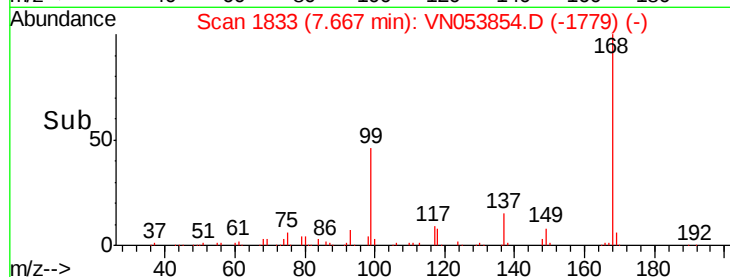
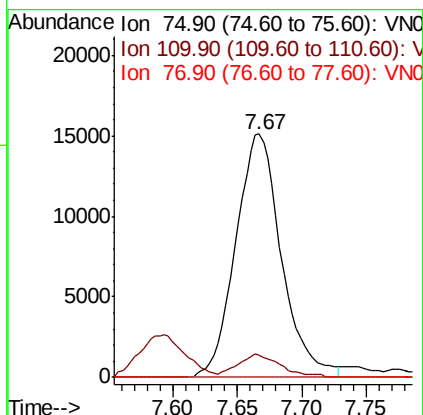
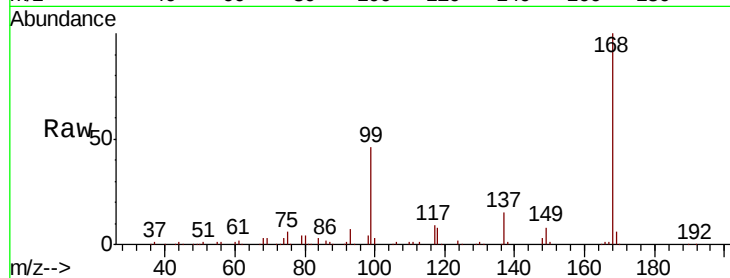




#36
 1,1-Dichloropropene
 Concen: 3.848 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053854.D
 Acq: 18 Feb 2019 20:09

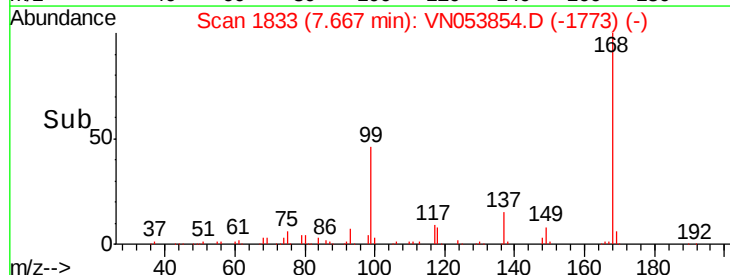
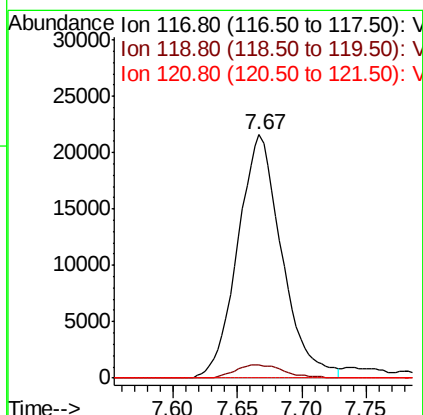
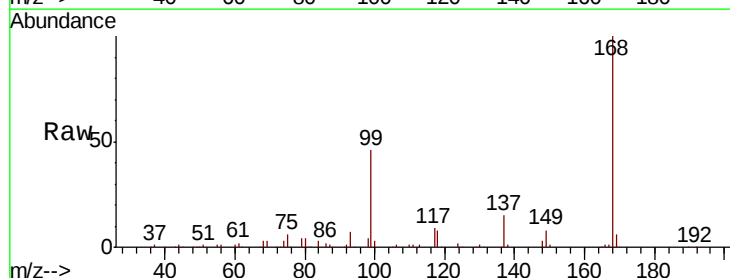
Instrument :
 MSVOA_N
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-1

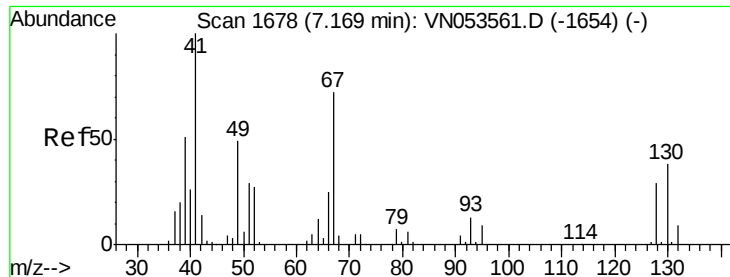
Tgt Ion: 75 Resp: 37292
 Ion Ratio Lower Upper
 75 100
 110 8.9 18.1 54.3#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.263 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053854.D
 Acq: 18 Feb 2019 20:09

Tgt Ion: 117 Resp: 51371
 Ion Ratio Lower Upper
 117 100
 119 5.2 77.2 115.8#
 121 0.0 24.6 37.0#





#41

Methacrylonitrile

Concen: 0.304 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.06 min

Lab File: VN053854.D

Acq: 18 Feb 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-1

Tgt Ion: 41 Resp: 919

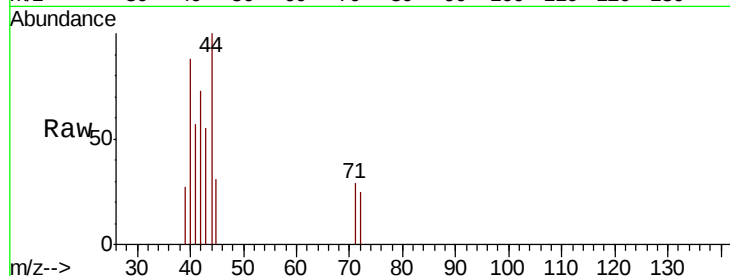
Ion Ratio Lower Upper

41 100

39 10.0 46.8 70.2#

67 0.0 63.0 94.6#

52 0.0 23.8 35.8#

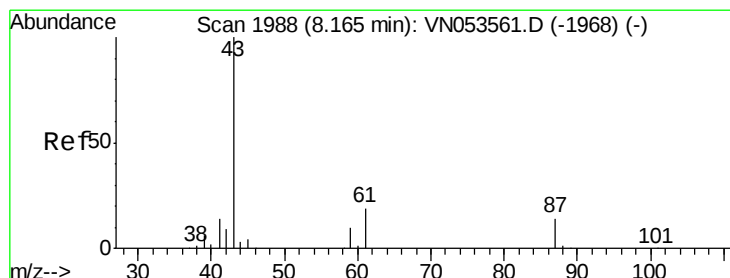
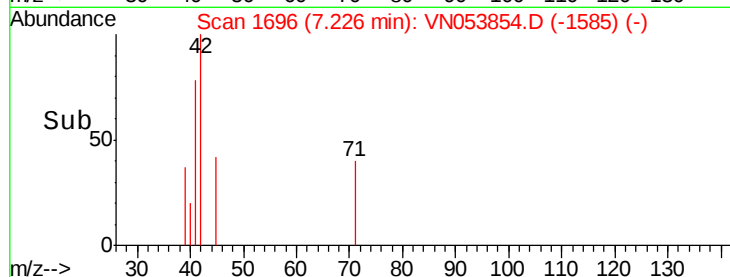
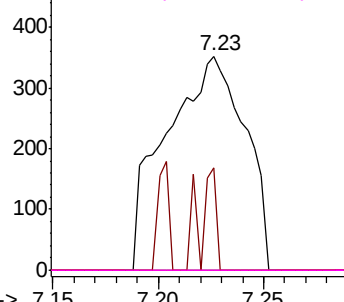


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#43

Isopropyl Acetate

Concen: 2.857 ug/l

RT: 8.17 min Scan# 1991

Delta R.T. 0.01 min

Lab File: VN053854.D

Acq: 18 Feb 2019 20:09

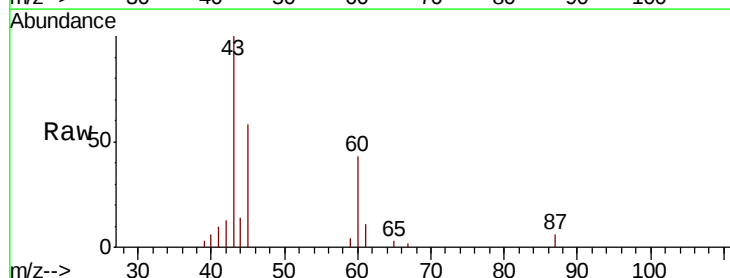
Tgt Ion: 43 Resp: 29858

Ion Ratio Lower Upper

43 100

61 12.1 23.9 35.9#

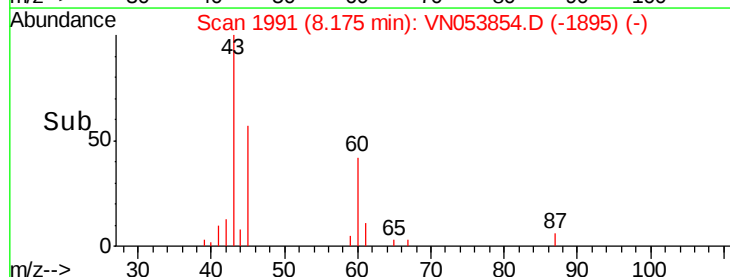
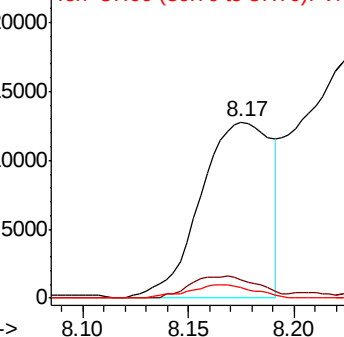
87 7.0 11.0 16.6#

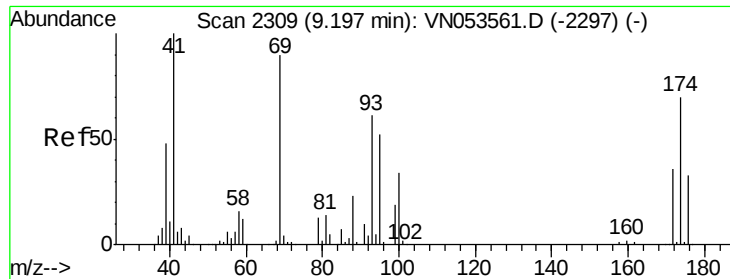


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

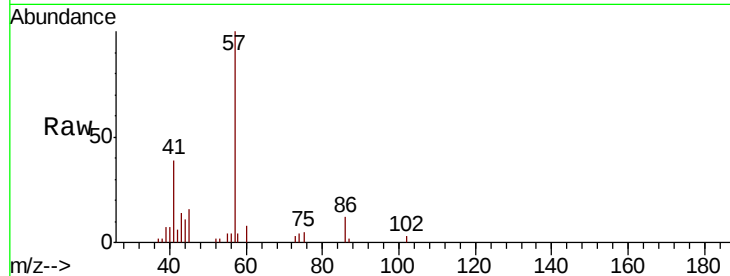




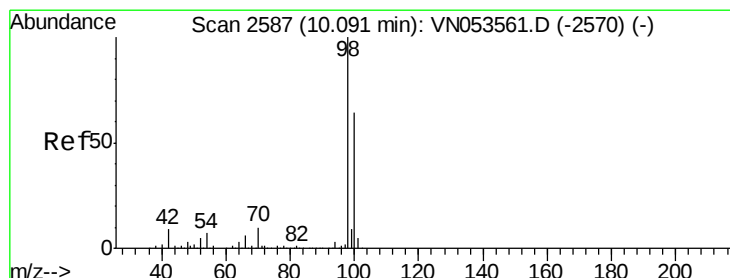
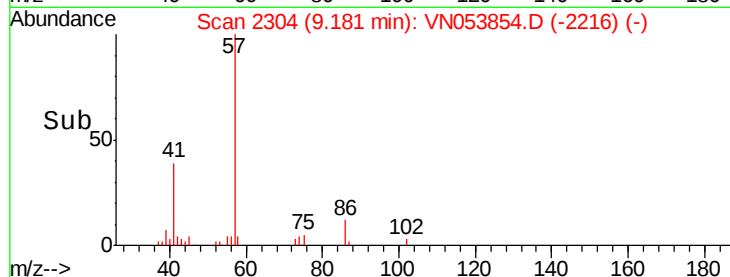
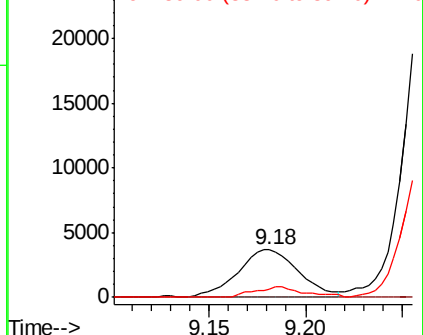
#48
Methyl methacrylate
Concen: 1.607 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN053854.D
Acq: 18 Feb 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-1

Tgt Ion: 41 Resp: 8019
Ion Ratio Lower Upper
41 100
69 0.0 73.8 110.6#
39 17.7 40.0 60.0#

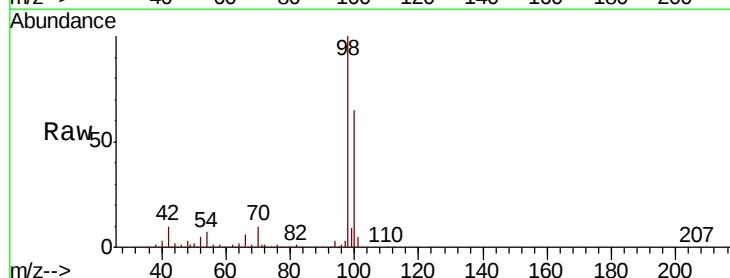


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

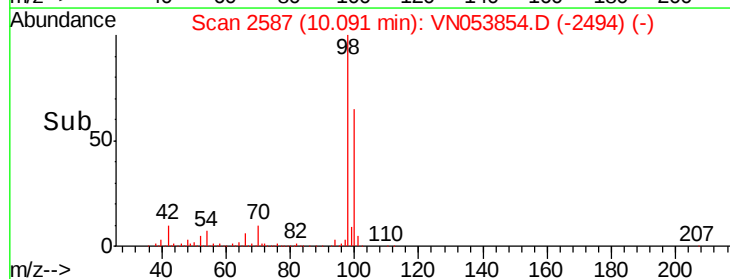
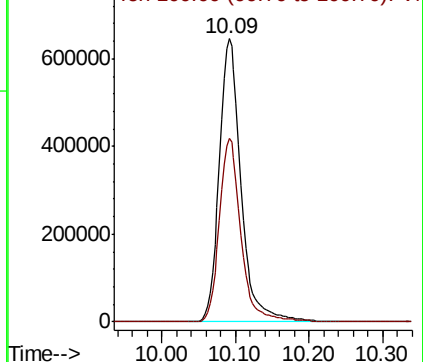


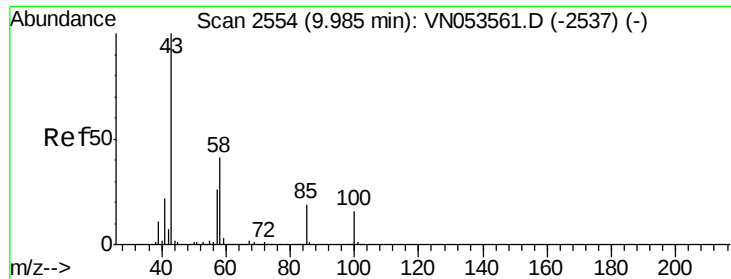
#50
Toluene-d8
Concen: 51.985 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053854.D
Acq: 18 Feb 2019 20:09

Tgt Ion: 98 Resp: 1325823
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

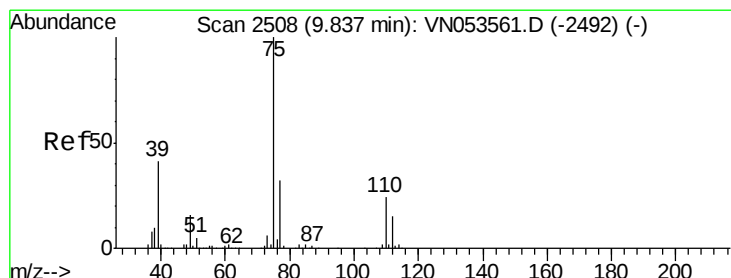
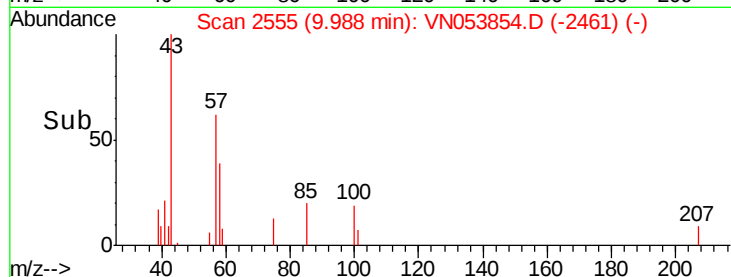
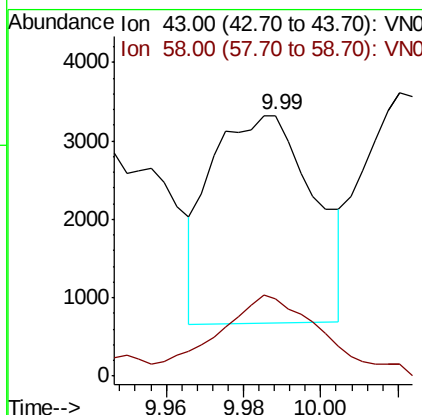
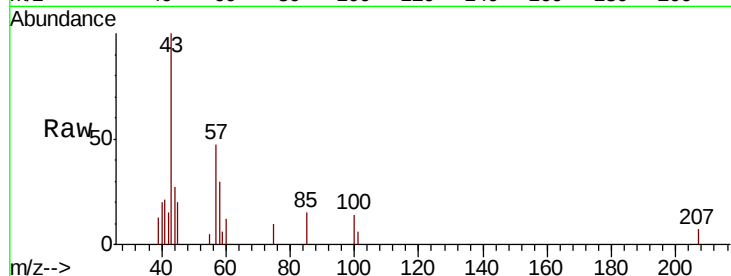




#51
 4-Methyl-2-Pentanone
 Concen: 0.948 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.00 min
 Lab File: VN053854.D
 Acq: 18 Feb 2019 20:09

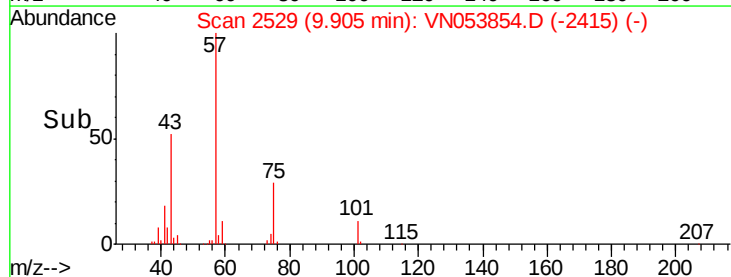
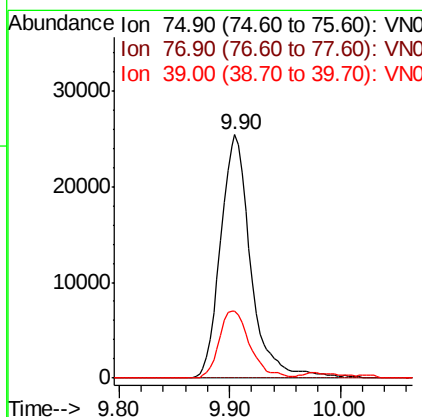
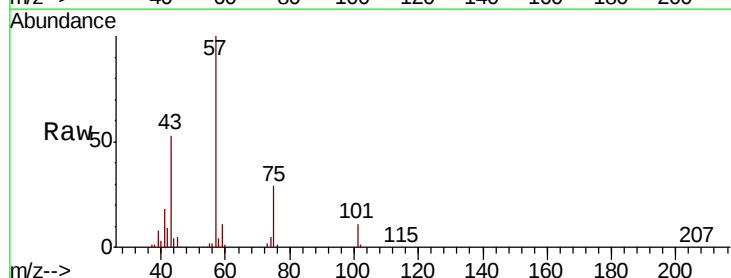
Instrument :
 MSVOA_N
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-1

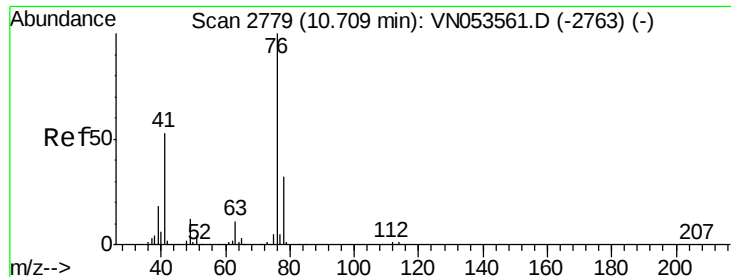
Tgt Ion: 43 Resp: 4867
 Ion Ratio Lower Upper
 43 100
 58 40.3 32.8 49.2



#54
 cis-1,3-Dichloropropene
 Concen: 4.248 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.07 min
 Lab File: VN053854.D
 Acq: 18 Feb 2019 20:09

Tgt Ion: 75 Resp: 48287
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.8 38.6#
 39 27.4 33.4 50.0#





#57

1,3-Dichloropropane

Concen: 0.769 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN053854.D

Acq: 18 Feb 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

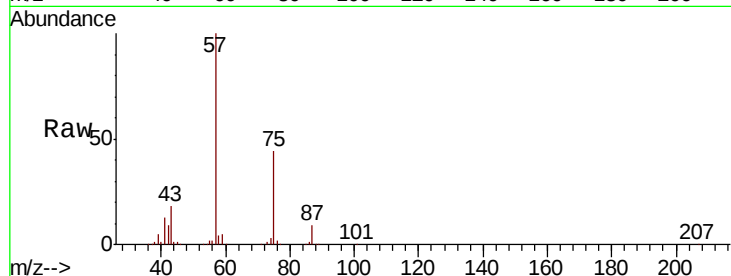
CABLE-BRIDGE-FOUNDATION-D-1

Tgt Ion: 76 Resp: 8401

Ion Ratio Lower Upper

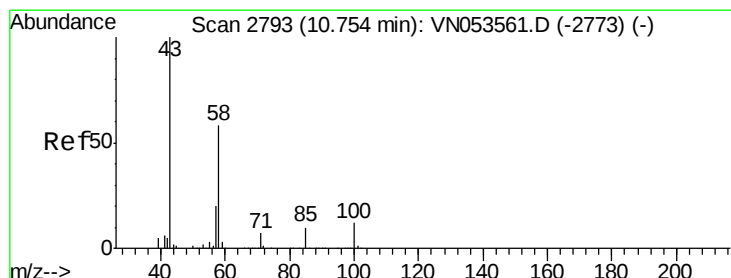
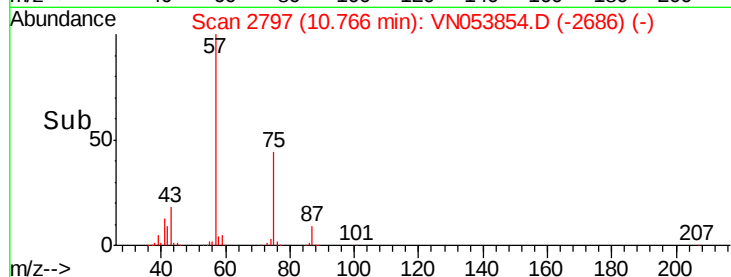
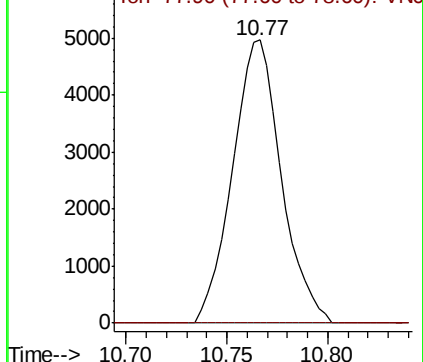
76 100

78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 29.729 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN053854.D

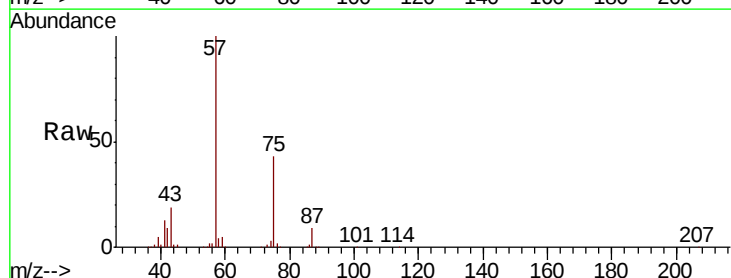
Acq: 18 Feb 2019 20:09

Tgt Ion: 43 Resp: 103653

Ion Ratio Lower Upper

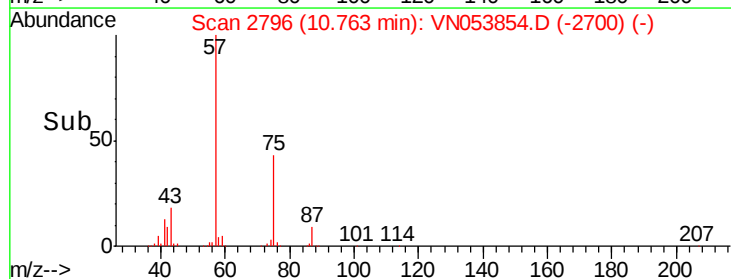
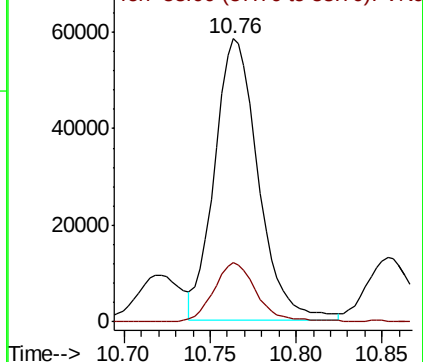
43 100

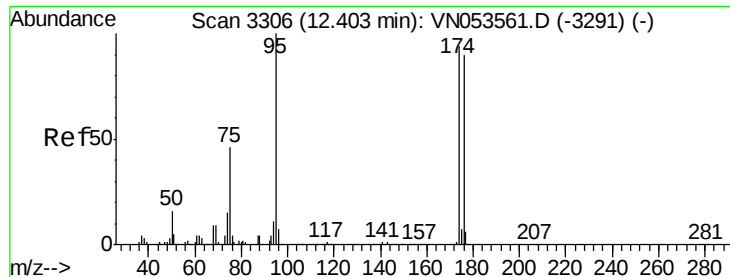
58 20.6 28.6 85.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 53.730 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN053854.D

Acq: 18 Feb 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-1

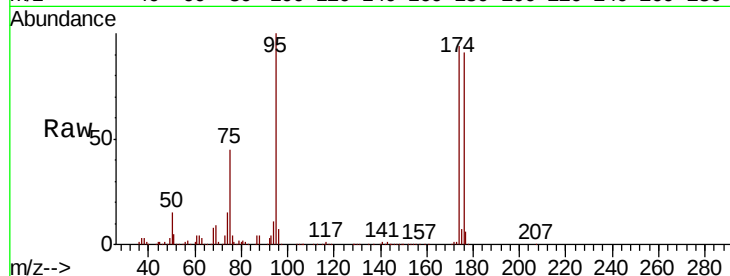
Tgt Ion: 95 Resp: 457030

Ion Ratio Lower Upper

95 100

174 95.9 0.0 183.2

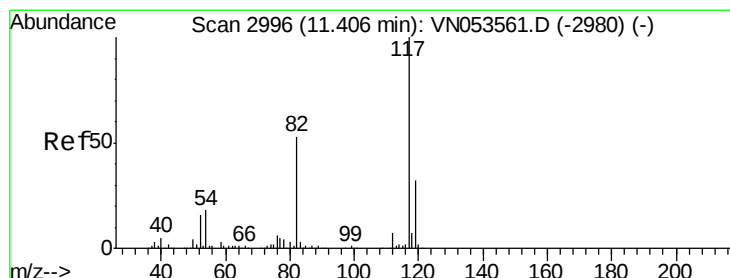
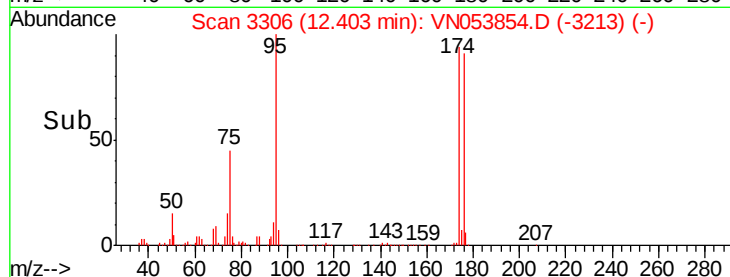
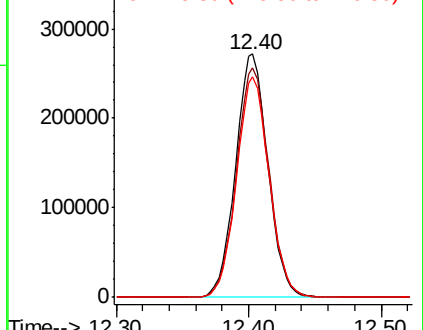
176 91.8 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053561.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053561.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053561.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053854.D

Acq: 18 Feb 2019 20:09

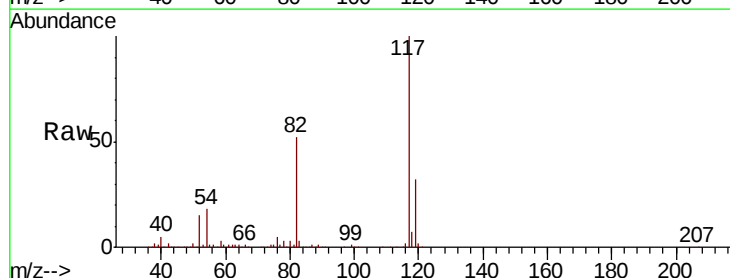
Tgt Ion: 117 Resp: 1054625

Ion Ratio Lower Upper

117 100

82 52.2 42.9 64.3

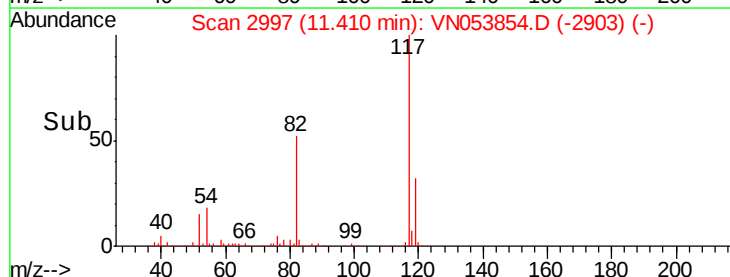
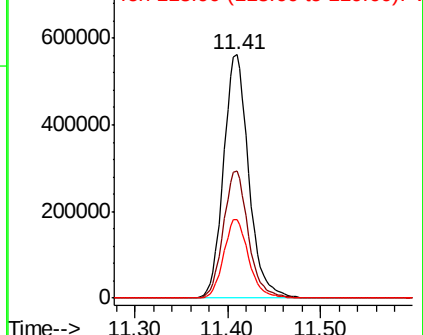
119 32.2 26.0 39.0

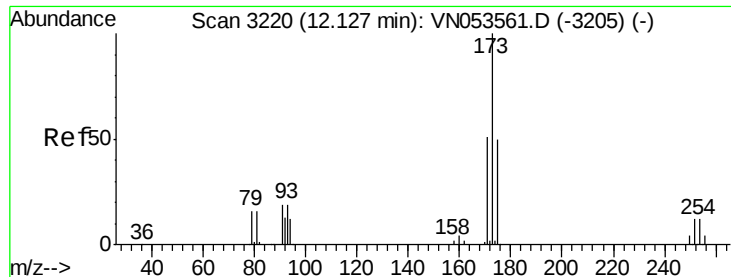


Abundance Ion 116.90 (116.60 to 117.60): VN053561.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053561.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053561.D (-2980) (-)

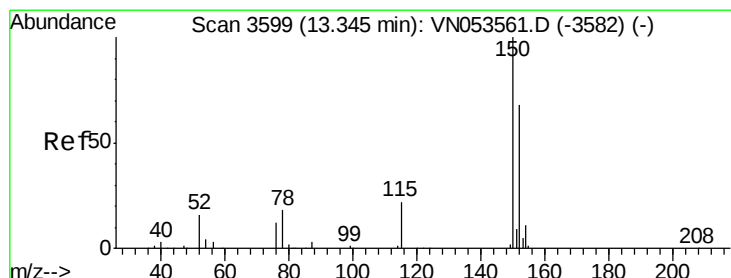
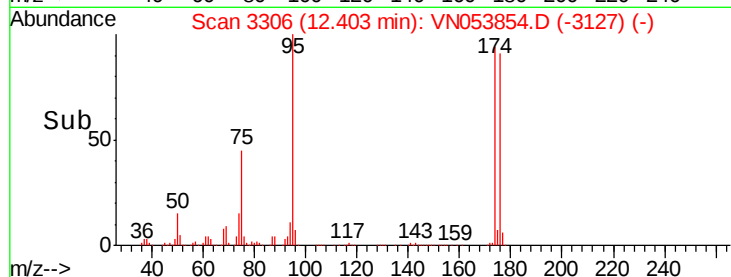
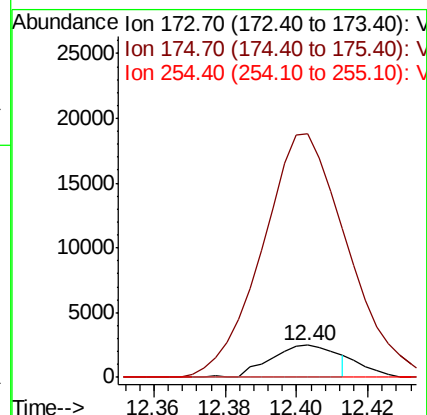
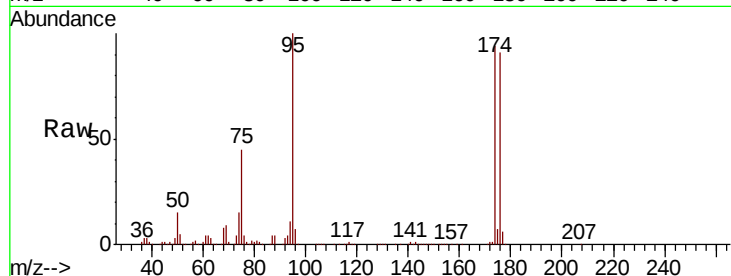




#71
Bromoform
Concen: 0.590 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053854.D
Acq: 18 Feb 2019 20:09

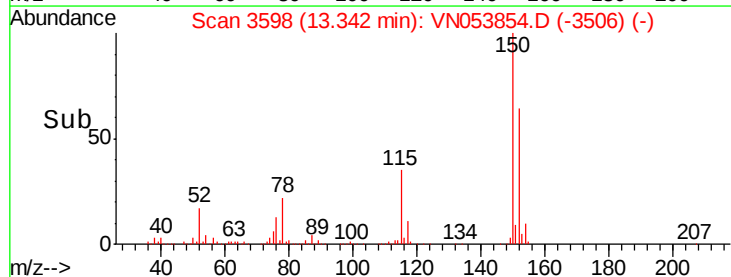
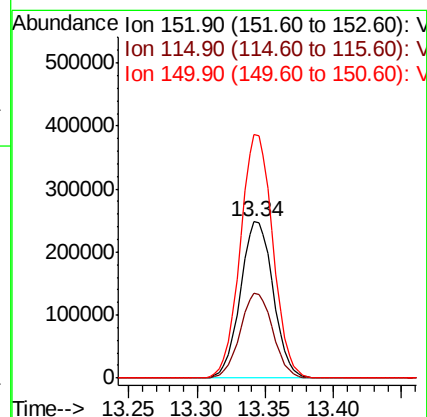
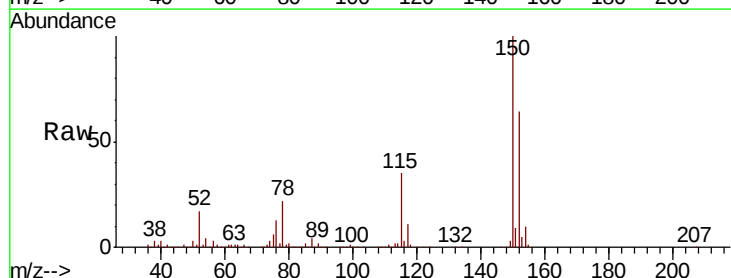
Instrument :
MSVOA_N
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-1

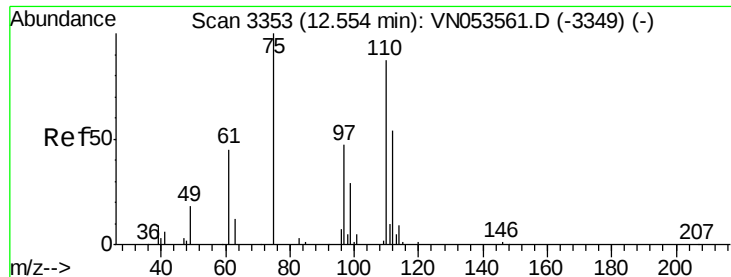
Tgt Ion:173 Resp: 3167
Ion Ratio Lower Upper
173 100
175 830.9 24.6 74.0#
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053854.D
Acq: 18 Feb 2019 20:09

Tgt Ion:152 Resp: 414113
Ion Ratio Lower Upper
152 100
115 54.0 27.8 83.4
150 154.7 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 39.617 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053854.D

Acq: 18 Feb 2019 20:09

Instrument :

MSVOA_N

ClientSampled :

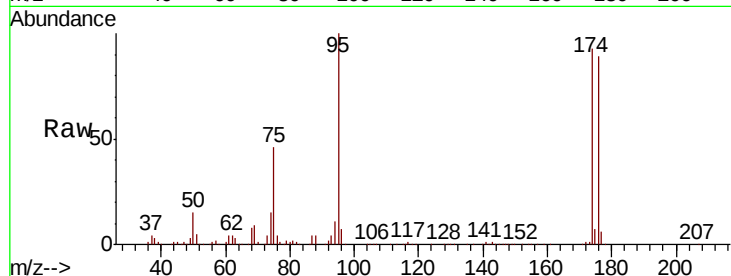
CABLE-BRIDGE-FOUNDATION-D-1

Tgt Ion: 75 Resp: 210726

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

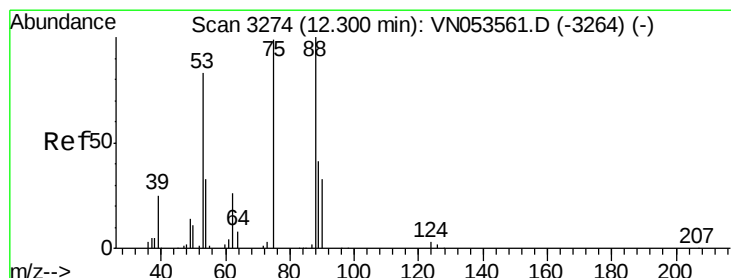
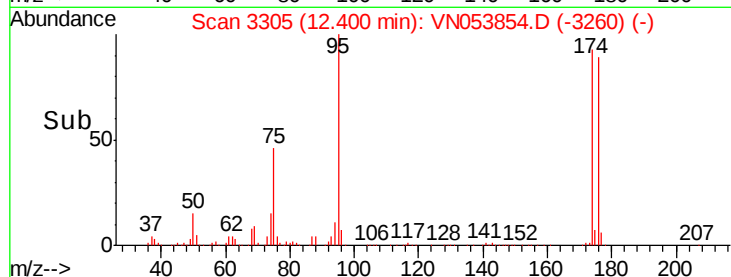
12.40

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 111.401 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053854.D

Acq: 18 Feb 2019 20:09

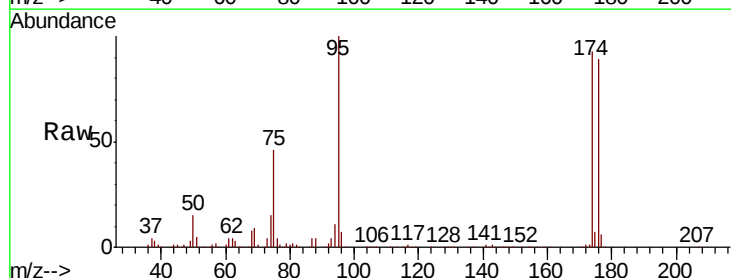
Tgt Ion: 75 Resp: 210726

Ion Ratio Lower Upper

75 100

53 0.1 69.8 104.6#

89 0.0 35.6 53.4#



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

12.40

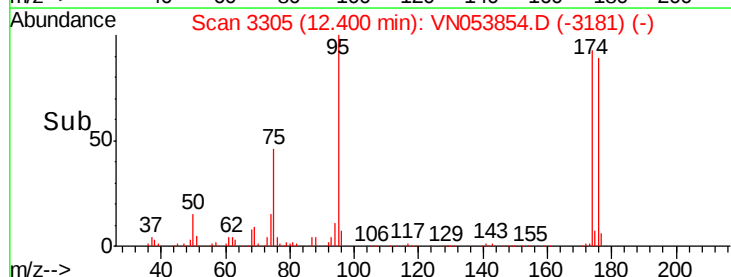
150000

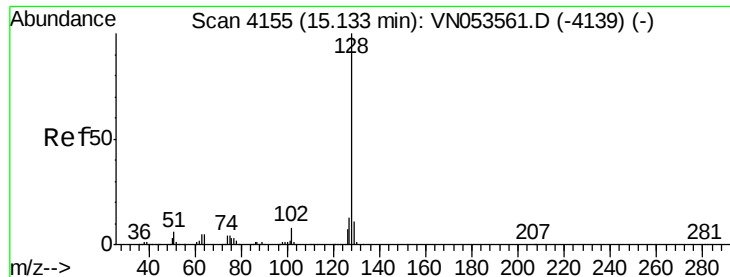
100000

50000

0

Time-->

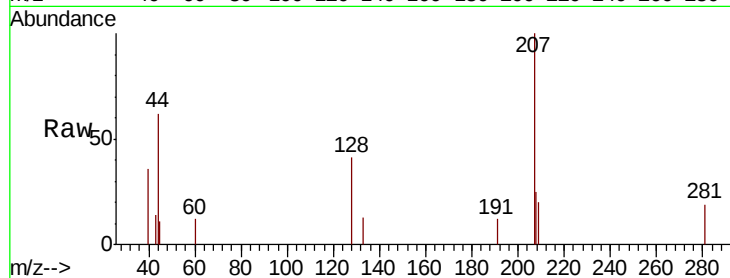




#95
Naphthalene
Concen: 1.796 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN053854.D
Acq: 18 Feb 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-1

Tgt Ion:128 Resp: 1129
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#



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

