

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021919\
 Data File : VN053866.D
 Acq On : 19 Feb 2019 13:48
 Operator : JC/SP
 Sample : K1518-14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CABLE-BRIDGE-FOUNDATION-D-7

Quant Time: Feb 20 03:17:58 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	611751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1092256	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	996705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	337980	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	327527	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	
35) Dibromofluoromethane	7.59	113	331729	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
50) Toluene-d8	10.09	98	1267308	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
62) 4-Bromofluorobenzene	12.40	95	386832	44.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.52%	

Target Compounds

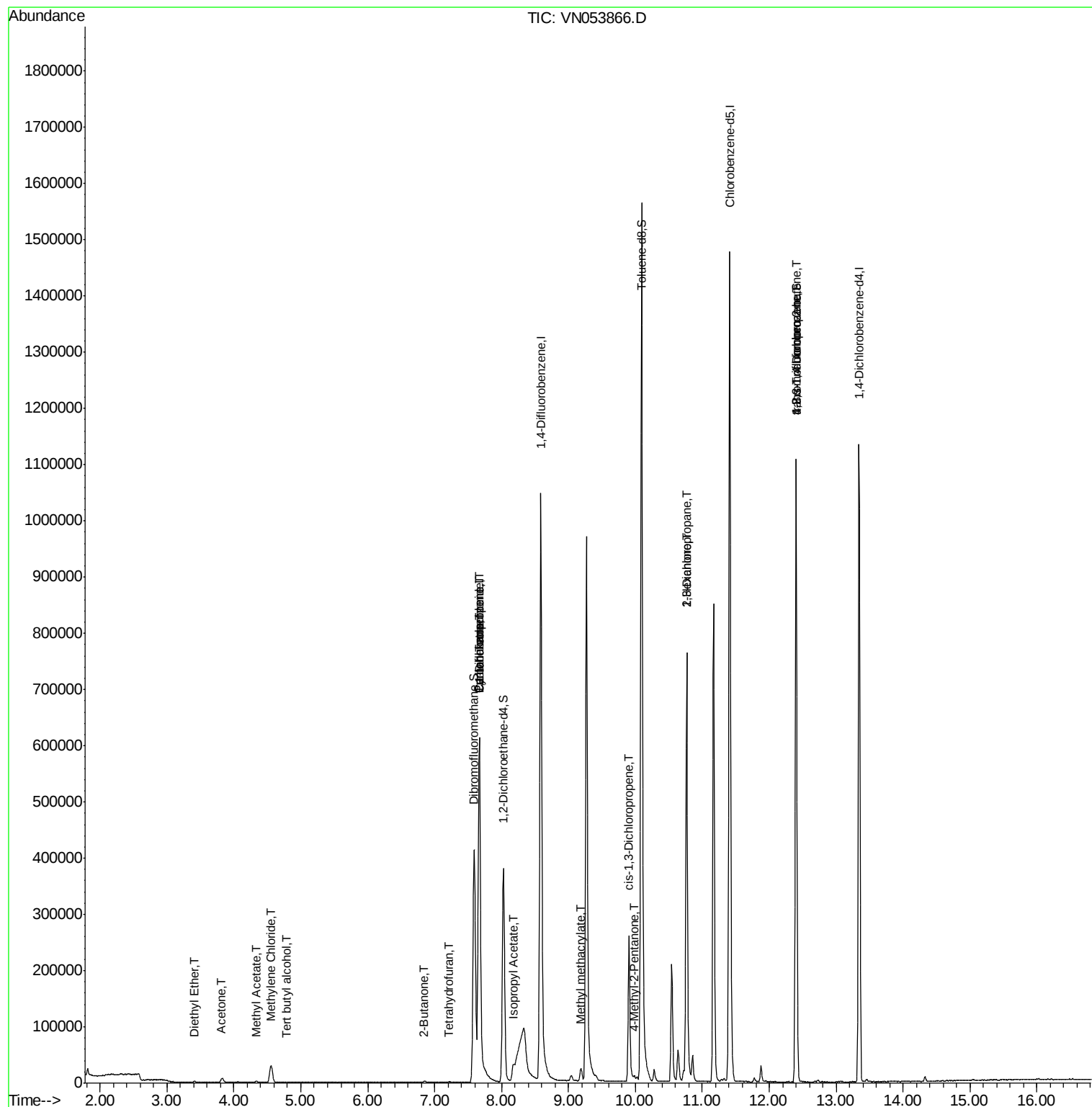
						Qvalue
8) Diethyl Ether	3.42	74	740	0.212	ug/l #	25
11) Tert butyl alcohol	4.79	59	107	0.295	ug/l #	72
16) Acetone	3.82	43	15106	9.596	ug/l	98
18) Methyl Acetate	4.33	43	2237	0.480	ug/l	91
20) Methylene Chloride	4.55	84	24882	3.768	ug/l	93
25) 2-Butanone	6.85	43	4620	2.058	ug/l	99
29) Tetrahydrofuran	7.21	42	879	0.610	ug/l #	71
31) Cyclohexane	7.67	56	9210	0.720	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	36088	3.665	ug/l #	49
38) Carbon Tetrachloride	7.67	117	48215	4.861	ug/l #	16
43) Isopropyl Acetate	8.18	43	33342	3.140	ug/l #	73
48) Methyl methacrylate	9.18	41	8272	1.632	ug/l #	12
51) 4-Methyl-2-Pentanone	9.98	43	4729	0.906	ug/l	92
54) cis-1,3-Dichloropropene	9.90	75	54701	4.736	ug/l #	62
57) 1,3-Dichloropropane	10.76	76	9017	0.813	ug/l #	43
59) 2-Hexanone	10.76	43	113749	32.107	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	181342	41.773	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	181342	117.462	ug/l #	15

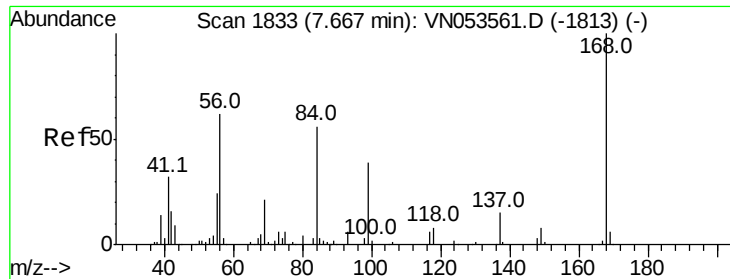
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053866.D

Acq: 19 Feb 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

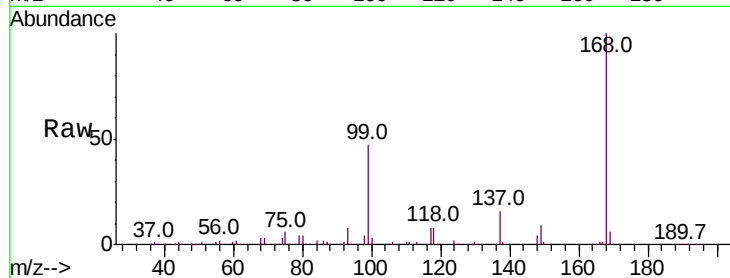
CABLE-BRIDGE-FOUNDATION-D-7

Tot Ion:168 Resp: 611751

Ion Ratio Lower Upper

168 100

99 47.2 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

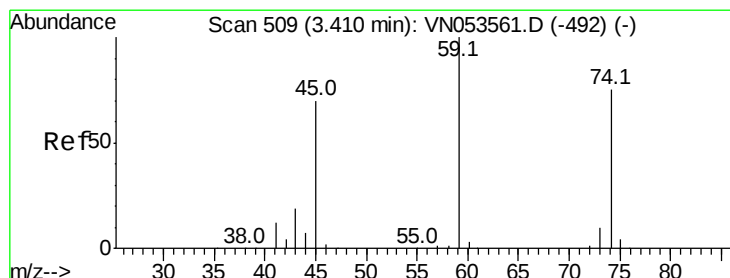
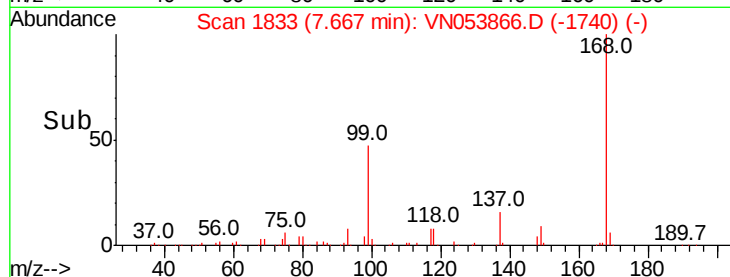
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 0.212 ug/l

RT: 3.42 min Scan# 511

Delta R.T. 0.01 min

Lab File: VN053866.D

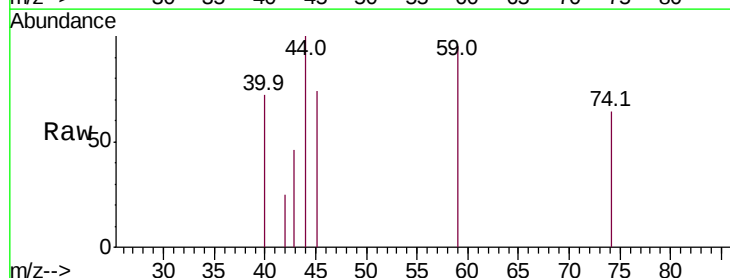
Acq: 19 Feb 2019 13:48

Tgt Ion: 74 Resp: 740

Ion Ratio Lower Upper

74 100

45 169.3 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

500

400

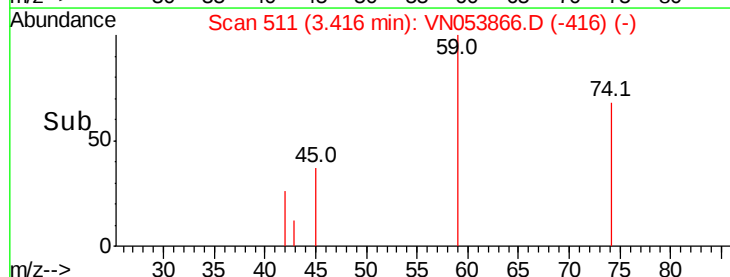
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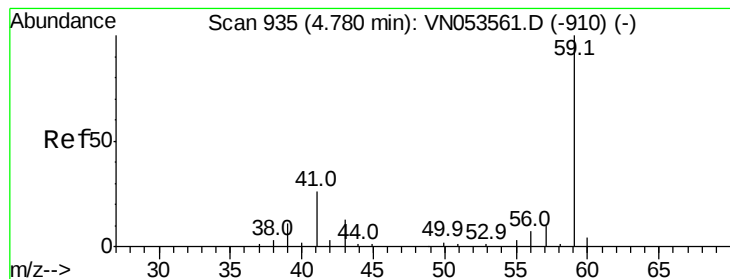
200

100

0

Time-->



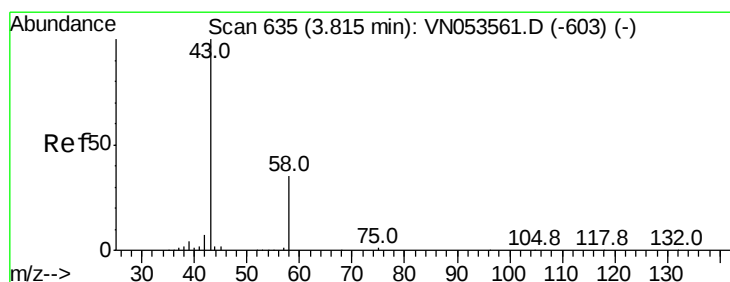
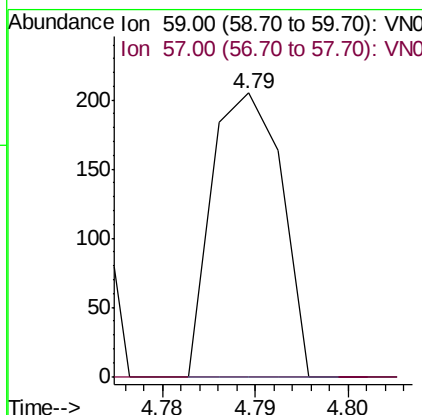
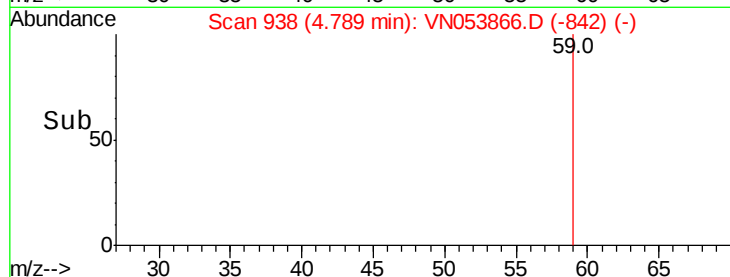
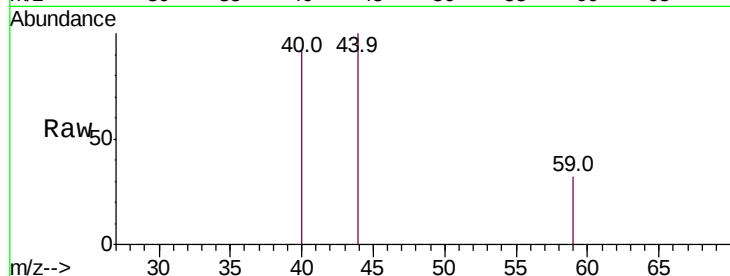


#11

Tert butyl alcohol
 Concen: 0.295 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.01 min
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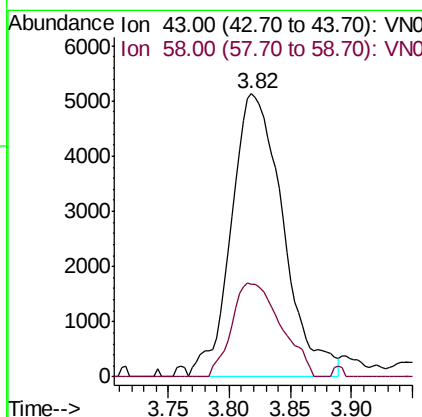
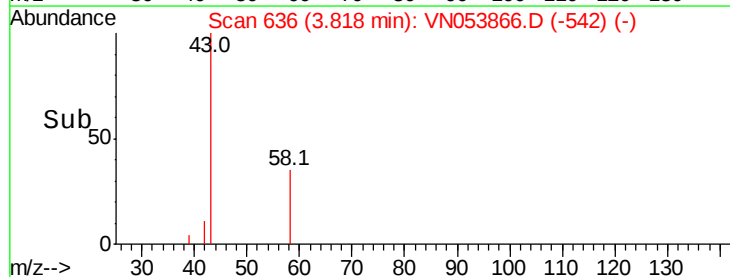
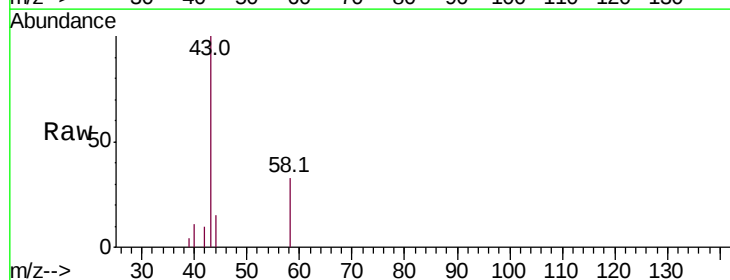
Tot Ion: 59 Resp: 107
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.4#

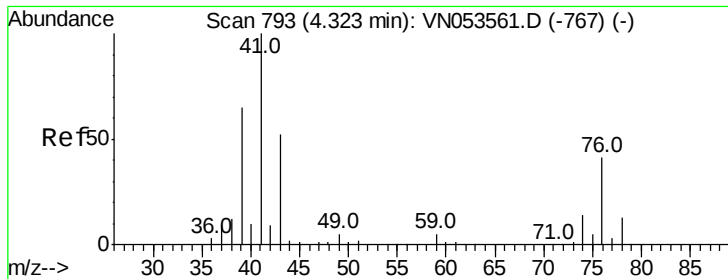


#16

Acetone
 Concen: 9.596 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN053866.D
 Acq: 19 Feb 2019 13:48

Tgt Ion: 43 Resp: 15106
 Ion Ratio Lower Upper
 43 100
 58 33.0 27.1 40.7

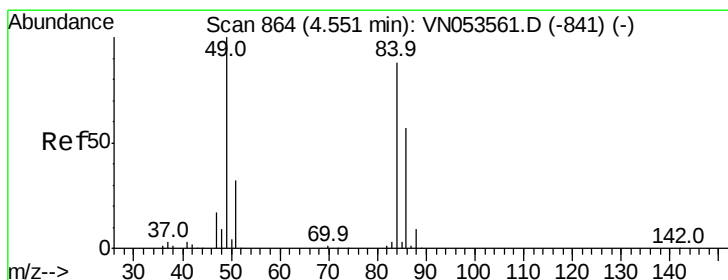
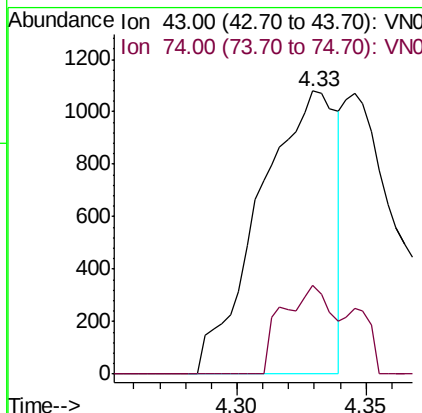
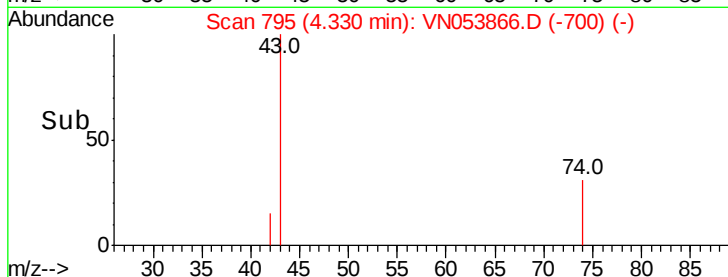
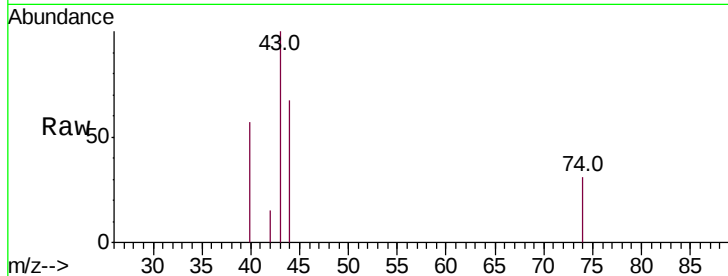




#18
Methyl Acetate
Concen: 0.480 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN053866.D
Acq: 19 Feb 2019 13:48

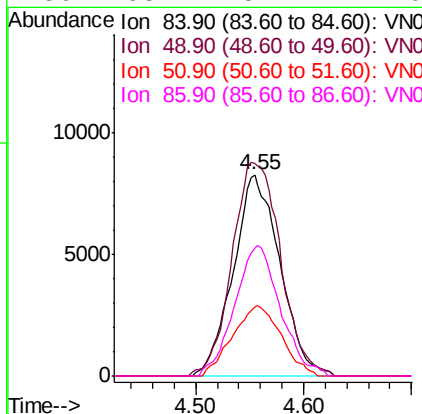
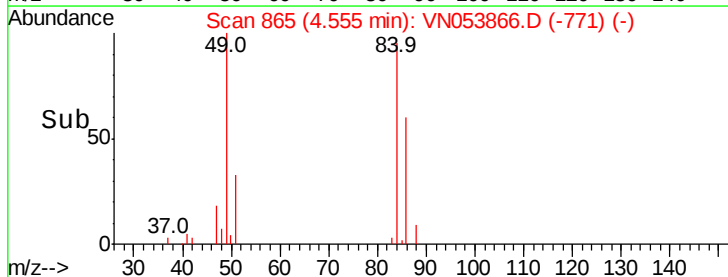
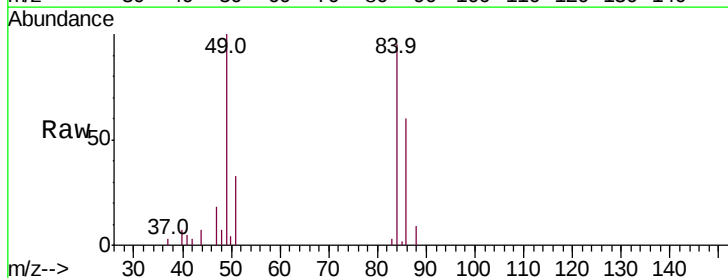
Instrument :
MSVOA_N
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-7

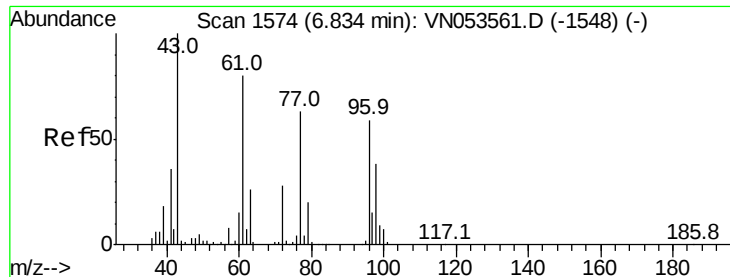
Tot Ion: 43 Resp: 2237
Ion Ratio Lower Upper
43 100
74 20.1 19.4 29.2



#20
Methylene Chloride
Concen: 3.768 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053866.D
Acq: 19 Feb 2019 13:48

Tgt Ion: 84 Resp: 24882
Ion Ratio Lower Upper
84 100
49 105.7 94.3 141.5
51 34.6 29.4 44.2
86 63.7 51.4 77.0

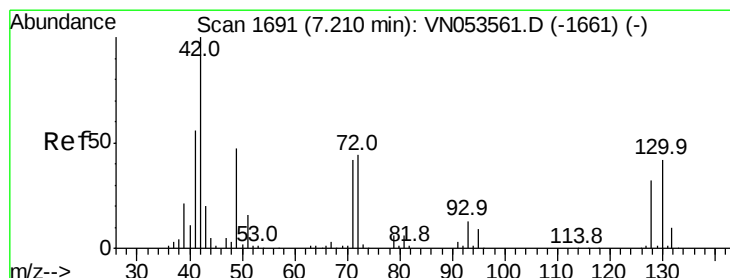
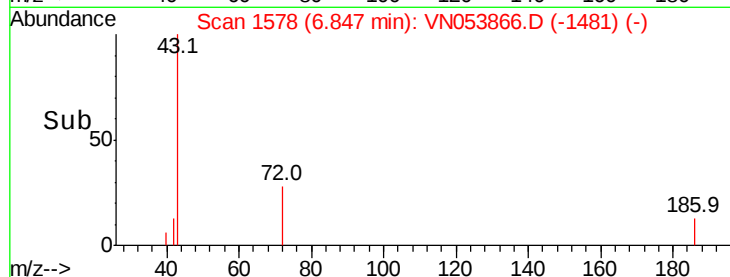
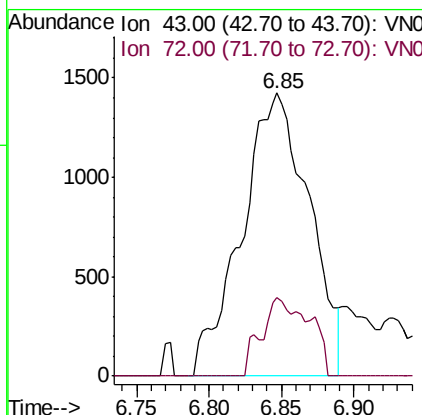
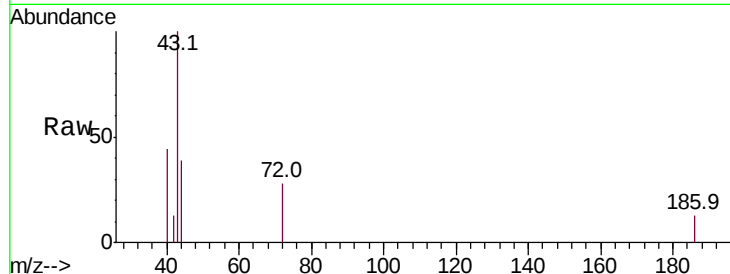




#25
2-Butanone
Concen: 2.058 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN053866.D
Acq: 19 Feb 2019 13:48

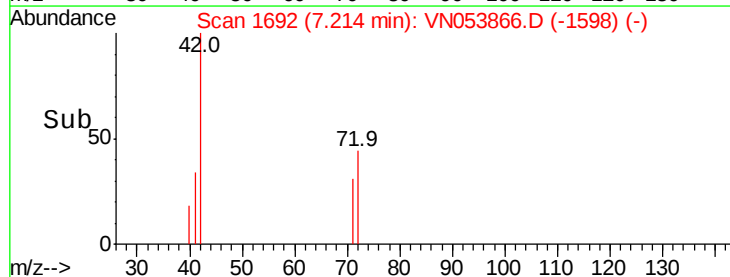
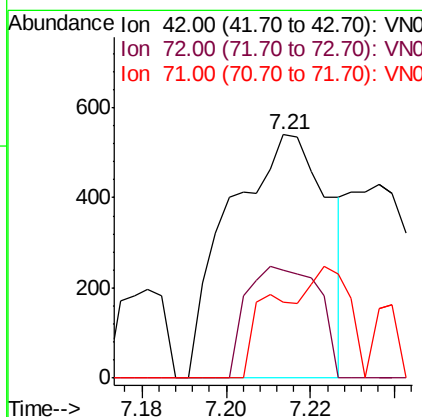
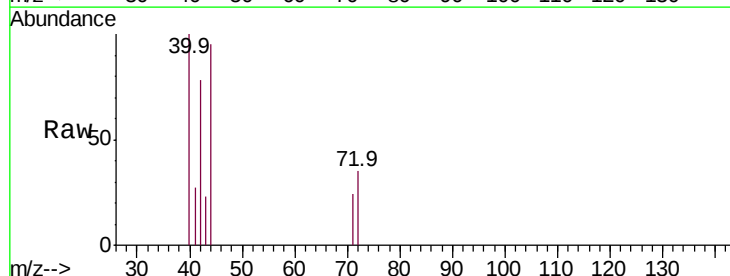
Instrument :
MSVOA_N
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-7

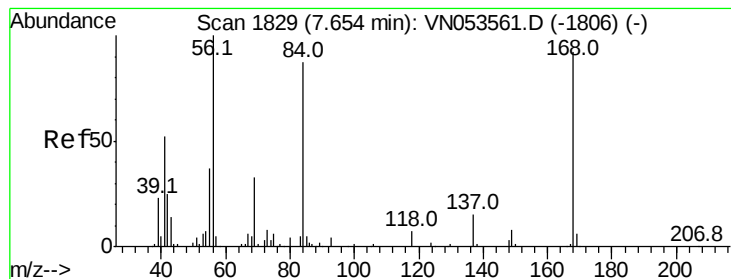
Tot Ion: 43 Resp: 4620
Ion Ratio Lower Upper
43 100
72 27.9 22.0 33.0



#29
Tetrahydrofuran
Concen: 0.610 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053866.D
Acq: 19 Feb 2019 13:48

Tgt Ion: 42 Resp: 879
Ion Ratio Lower Upper
42 100
72 33.6 35.2 52.8#
71 15.0 33.0 49.4#





#31

Cyclohexane

Concen: 0.720 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN053866.D

Acq: 19 Feb 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-7

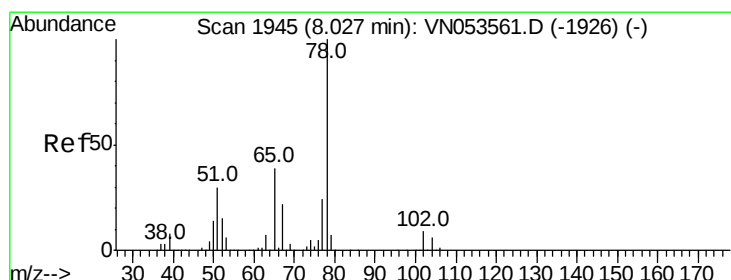
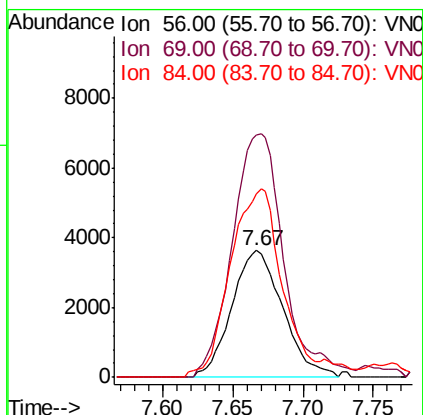
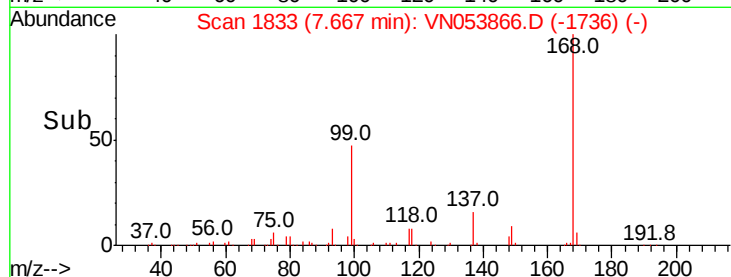
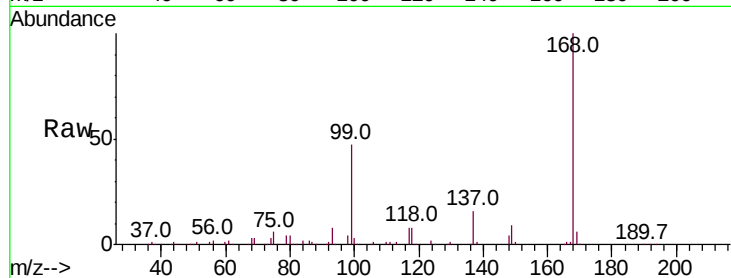
Tot Ion: 56 Resp: 9210

Ion Ratio Lower Upper

56 100

69 191.0 26.4 39.6#

84 140.4 67.9 101.9#



#33

1,2-Dichloroethane-d4

Concen: 53.369 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053866.D

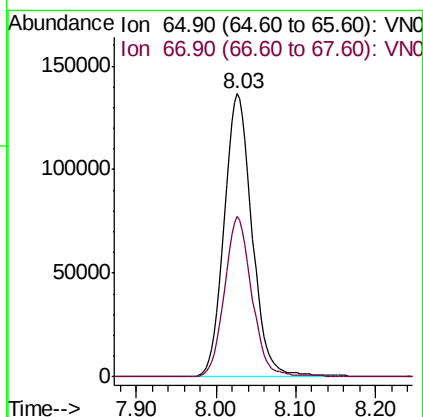
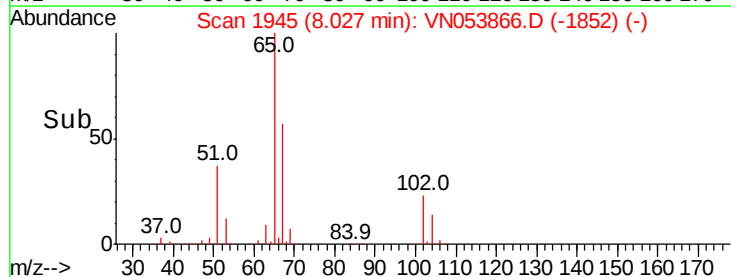
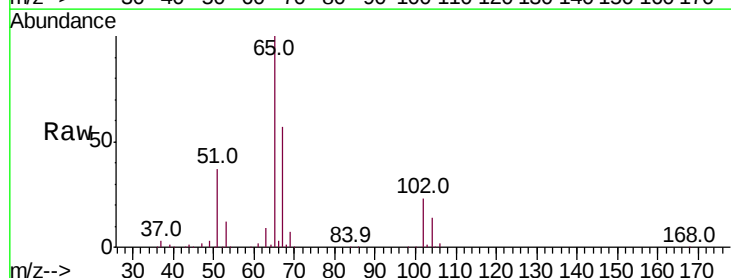
Acq: 19 Feb 2019 13:48

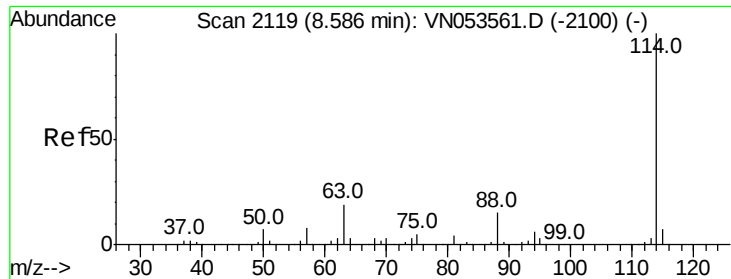
Tgt Ion: 65 Resp: 327527

Ion Ratio Lower Upper

65 100

67 55.2 0.0 111.2

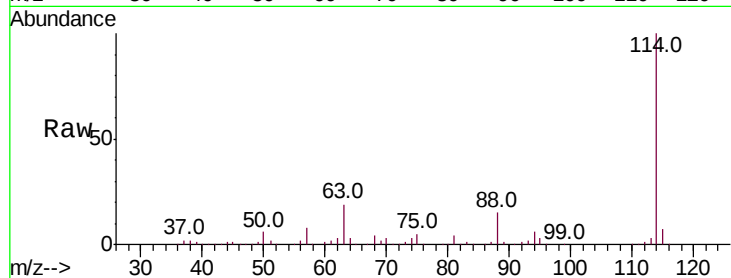




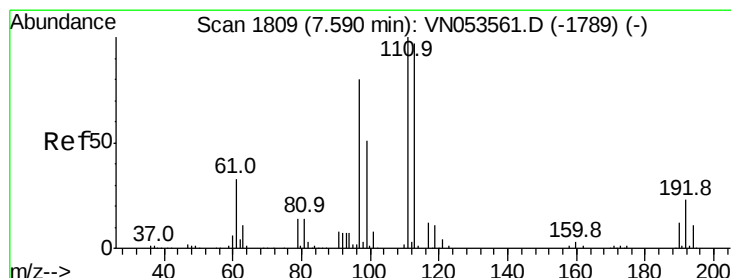
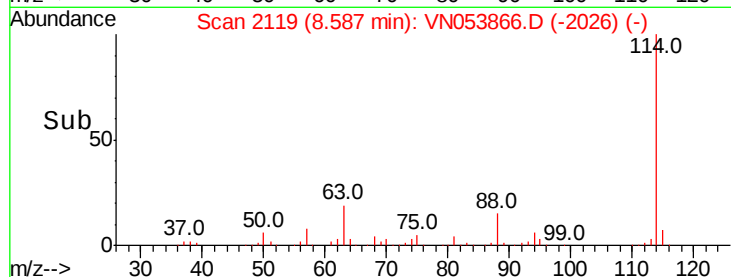
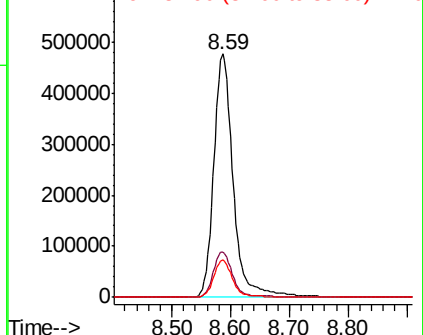
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053866.D
 Acq: 19 Feb 2019 13:48

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Tot Ion:114 Resp: 1092256
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.6
 88 15.3 0.0 30.4

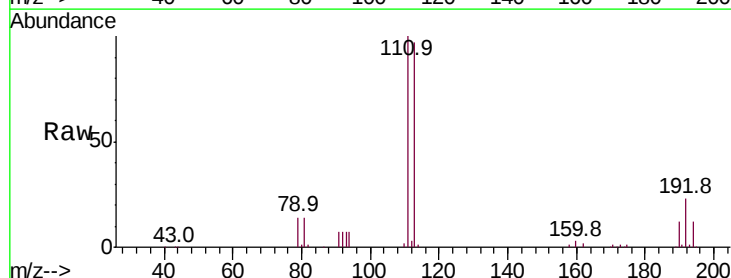


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

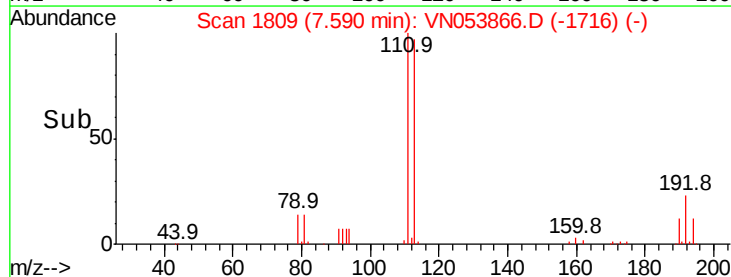
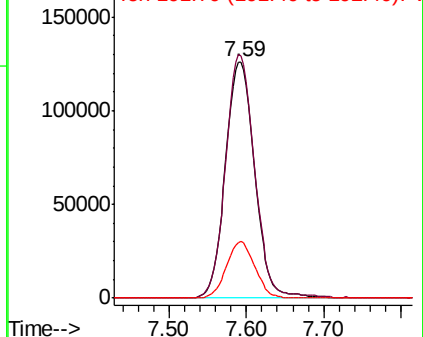


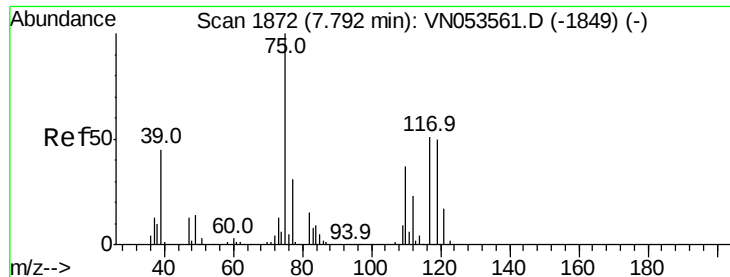
#35
 Dibromofluoromethane
 Concen: 48.065 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053866.D
 Acq: 19 Feb 2019 13:48

Tgt Ion:113 Resp: 331729
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.1 121.7
 192 23.3 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

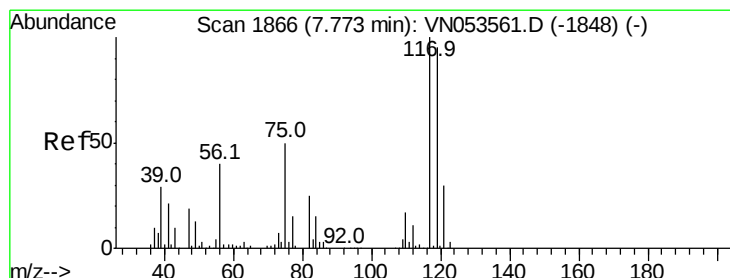
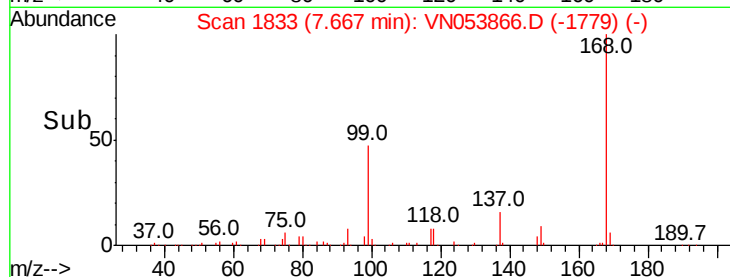
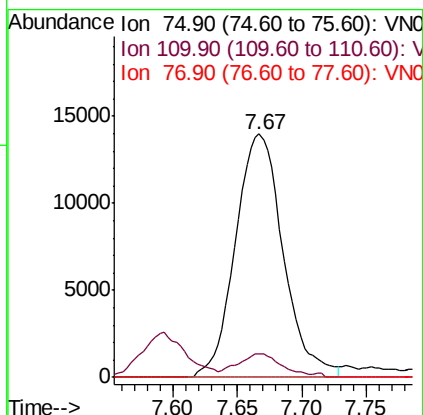
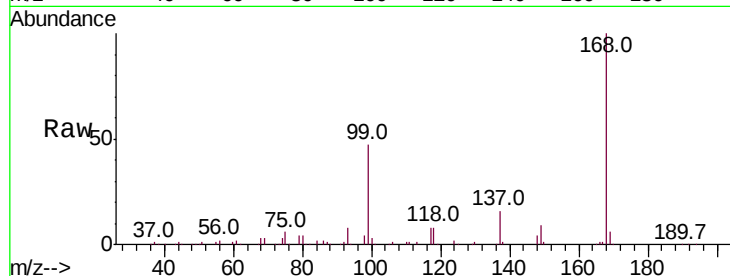




#36
 1,1-Dichloropropene
 Concen: 3.665 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053866.D
 Acq: 19 Feb 2019 13:48

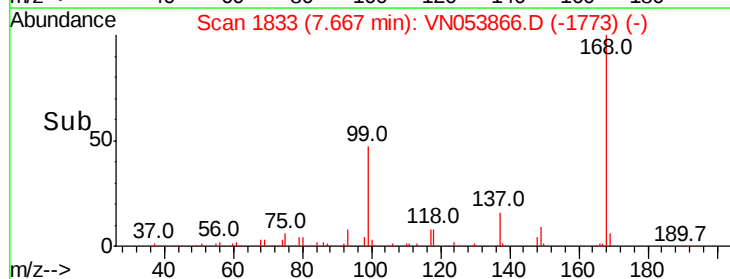
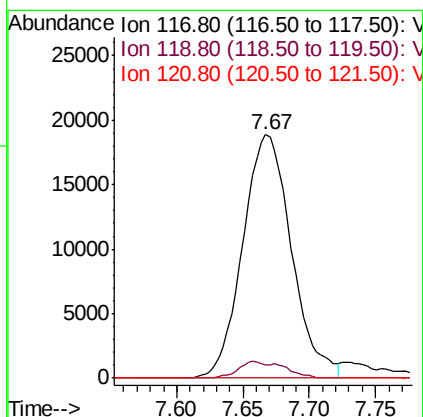
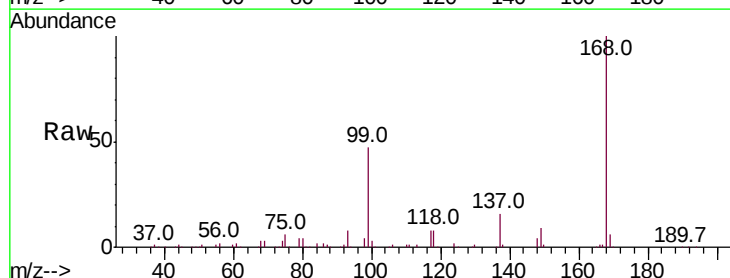
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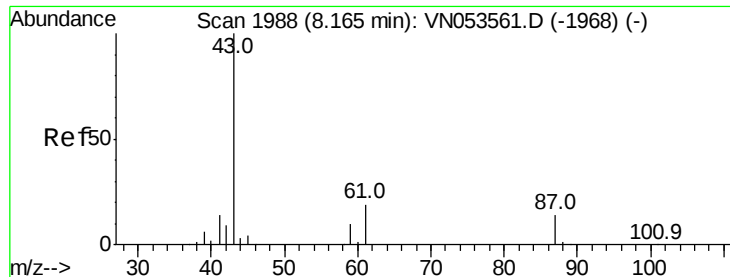
Tot Ion: 75 Resp: 36088
 Ion Ratio Lower Upper
 75 100
 110 9.3 18.1 54.3#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 4.861 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053866.D
 Acq: 19 Feb 2019 13:48

Tgt Ion: 117 Resp: 48215
 Ion Ratio Lower Upper
 117 100
 119 5.4 77.2 115.8#
 121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 3.140 ug/l

RT: 8.18 min Scan# 1992

Delta R.T. 0.01 min

Lab File: VN053866.D

Acq: 19 Feb 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-7

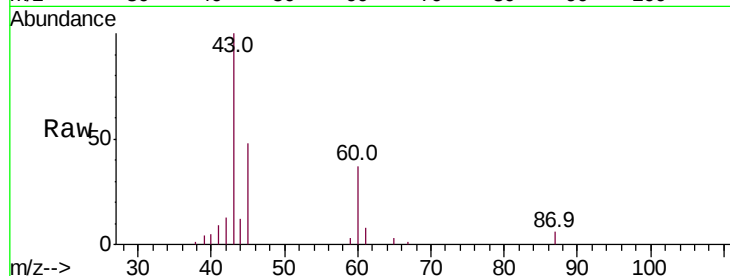
Tot Ion: 43 Resp: 33342

Ion Ratio Lower Upper

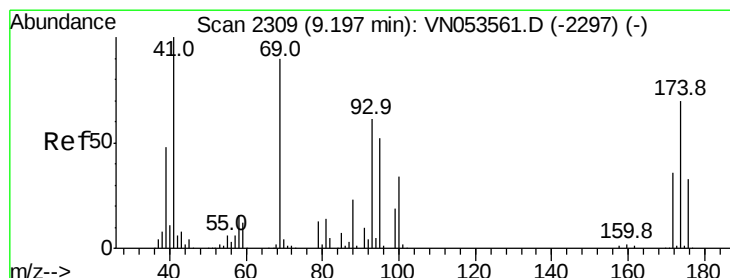
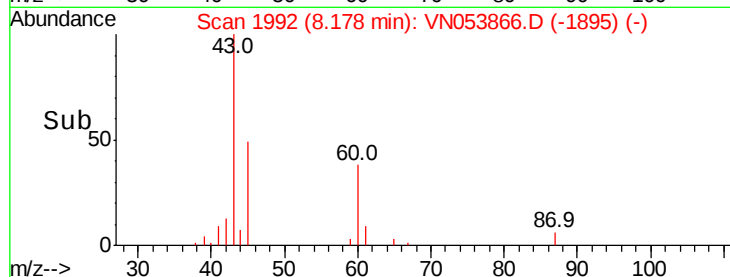
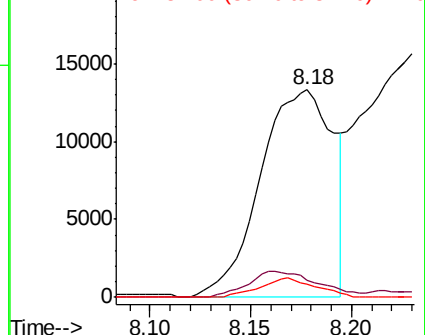
43 100

61 12.3 23.9 35.9#

87 7.1 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: 1.632 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN053866.D

Acq: 19 Feb 2019 13:48

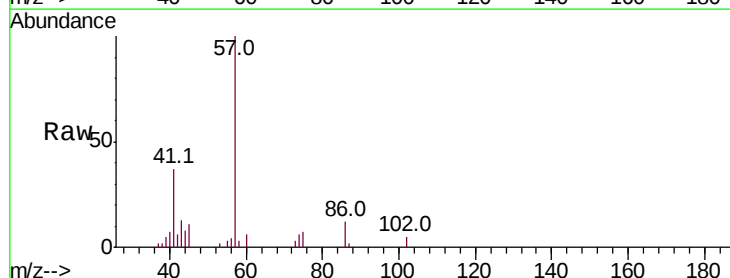
Tgt Ion: 41 Resp: 8272

Ion Ratio Lower Upper

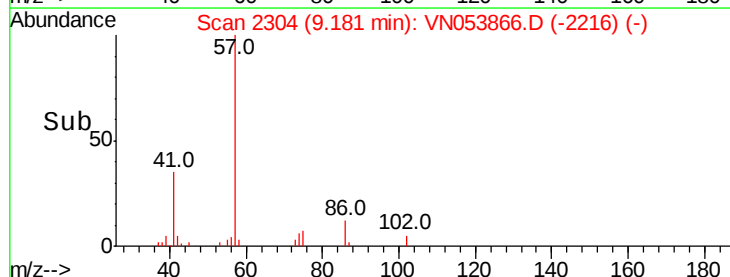
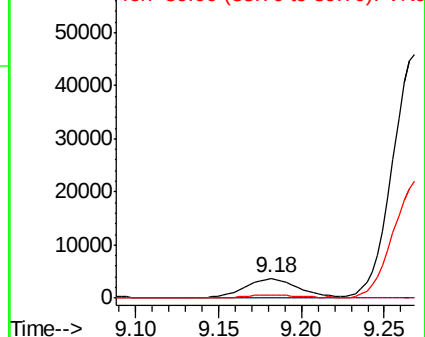
41 100

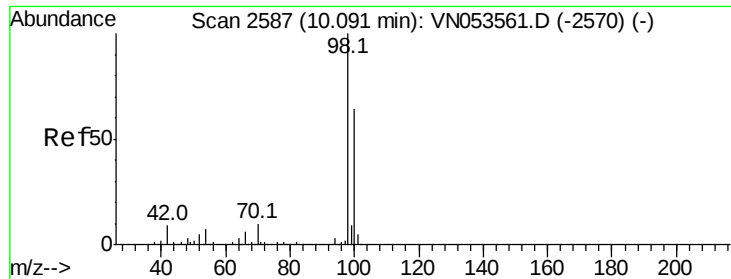
69 0.0 73.8 110.6#

39 0.0 40.0 60.0#



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





#50

Toluene-d8

Concen: 48.904 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053866.D

Acq: 19 Feb 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

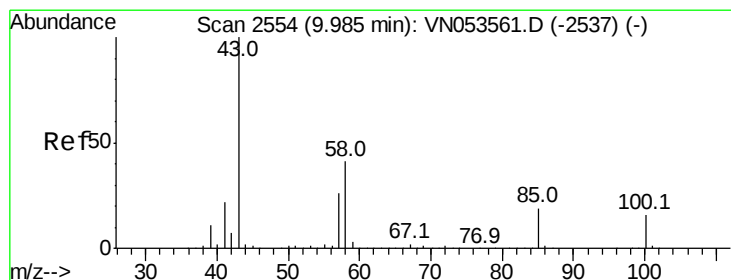
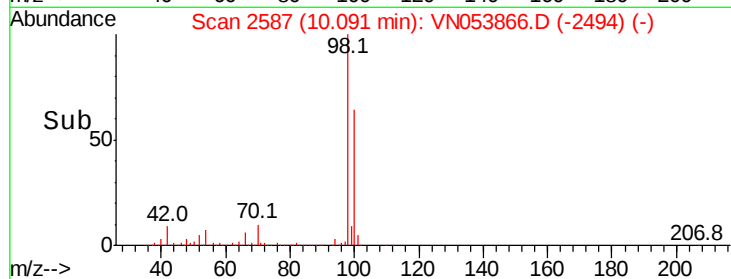
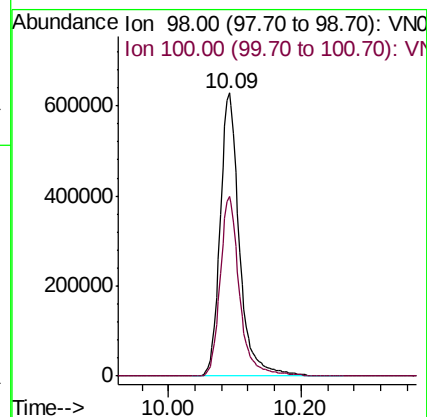
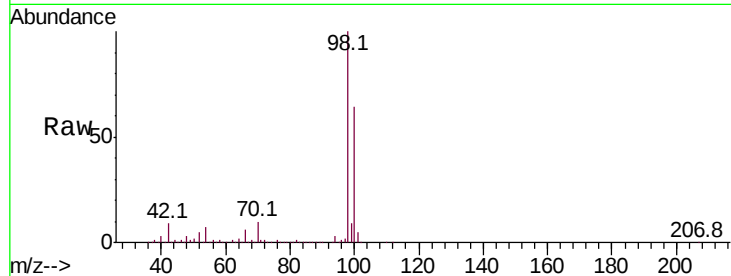
CABLE-BRIDGE-FOUNDATION-D-7

Tot Ion: 98 Resp: 1267308

Ion Ratio Lower Upper

98 100

100 63.9 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 0.906 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053866.D

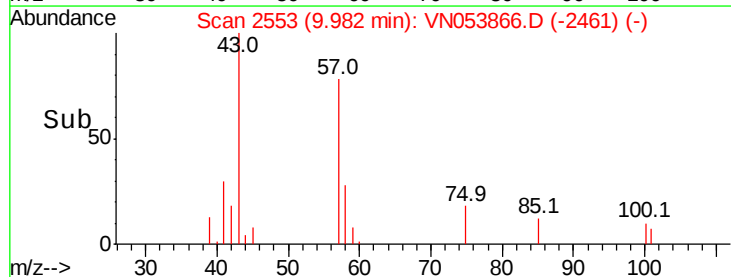
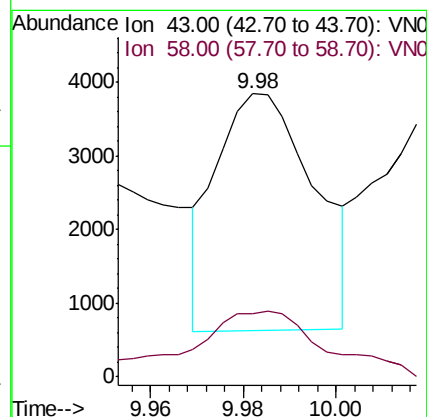
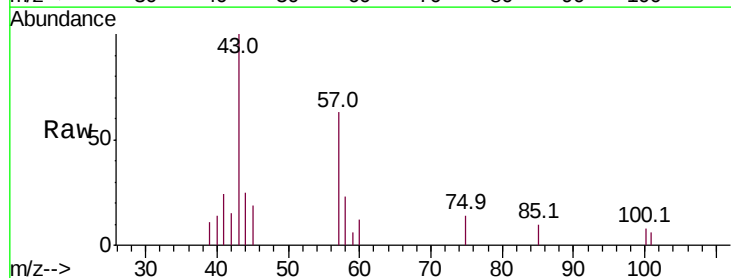
Acq: 19 Feb 2019 13:48

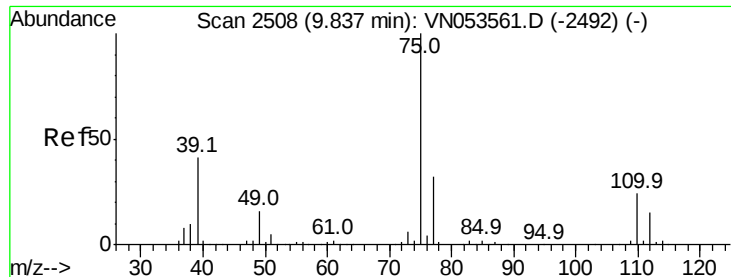
Tgt Ion: 43 Resp: 4729

Ion Ratio Lower Upper

43 100

58 35.8 32.8 49.2





#54

cis-1,3-Dichloropropene

Concen: 4.736 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN053866.D

Acq: 19 Feb 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

CABLE-BRIDGE-FOUNDATION-D-7

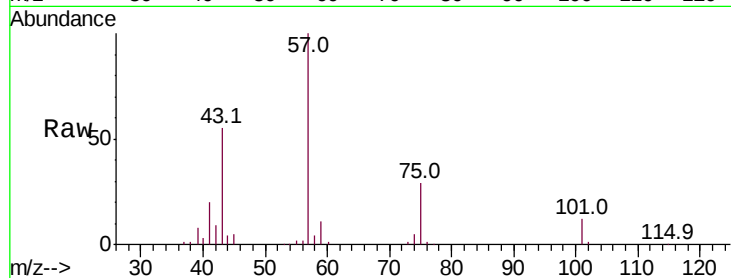
Tot Ion: 75 Resp: 54701

Ion Ratio Lower Upper

75 100

77 0.6 25.8 38.6#

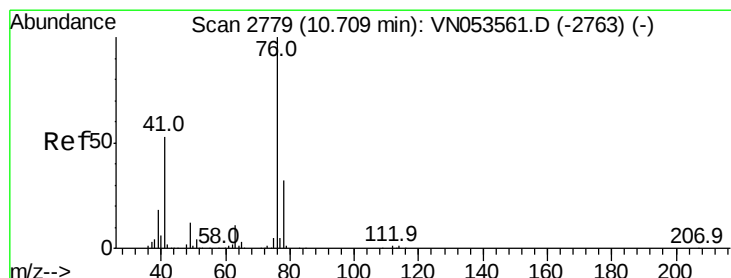
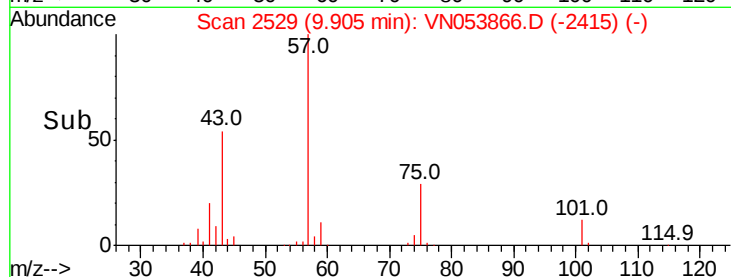
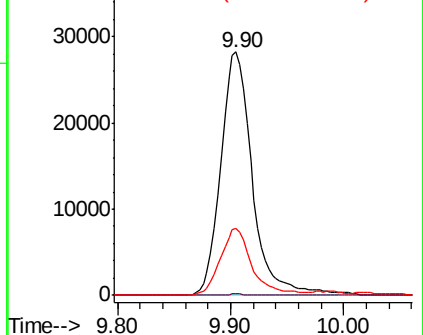
39 27.3 33.4 50.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.813 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.05 min

Lab File: VN053866.D

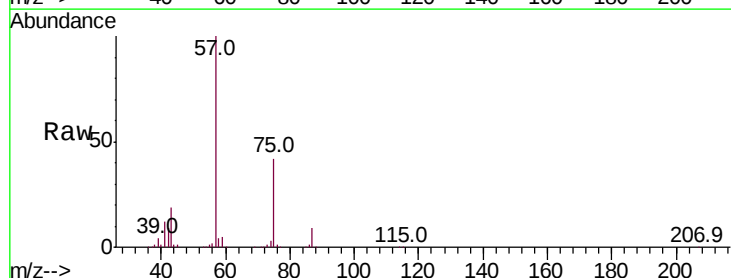
Acq: 19 Feb 2019 13:48

Tgt Ion: 76 Resp: 9017

Ion Ratio Lower Upper

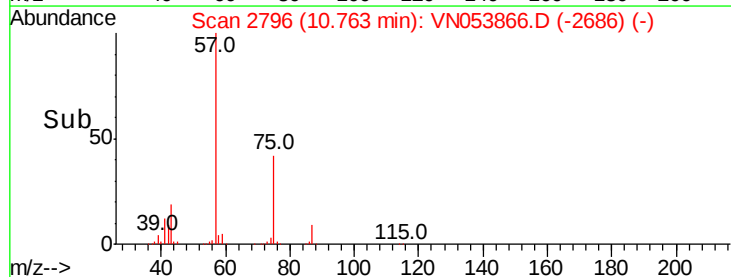
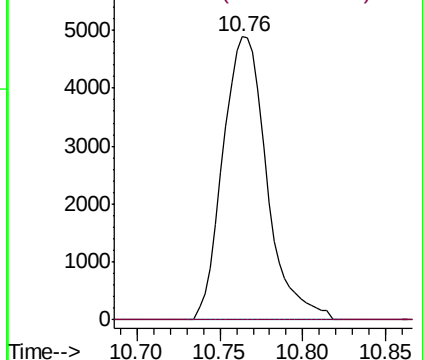
76 100

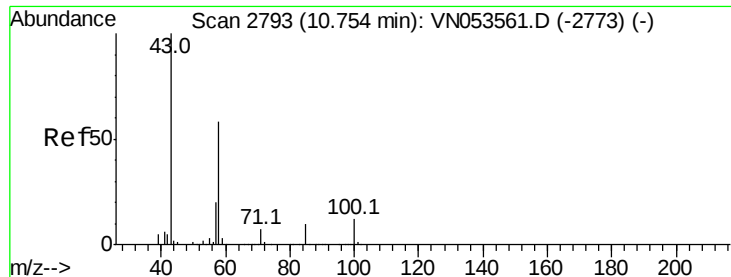
78 0.0 25.6 38.4#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

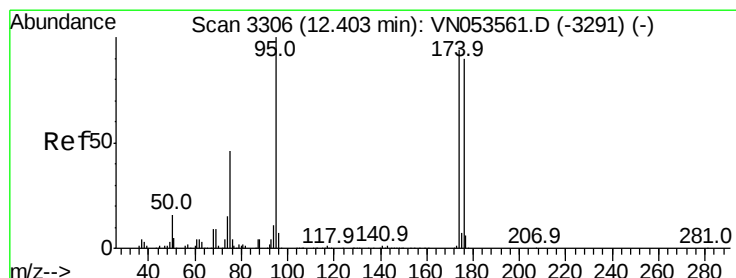
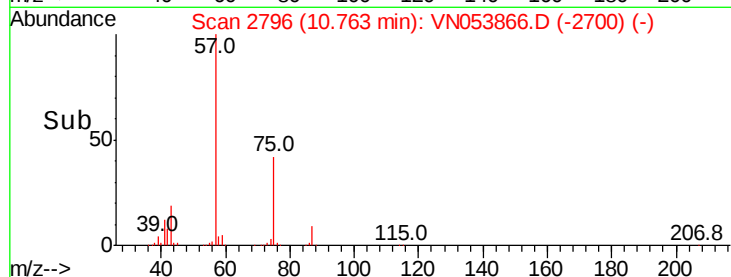
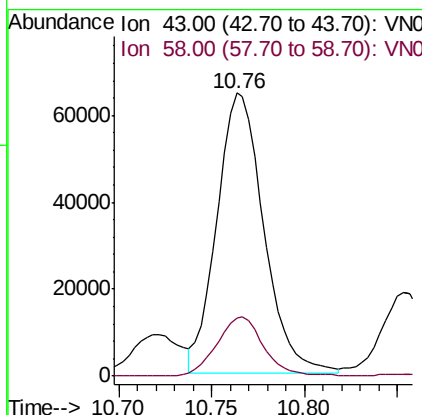
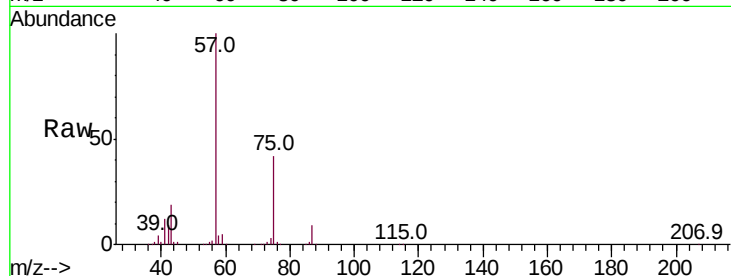




#59
2-Hexanone
Concen: 32.107 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN053866.D
Acq: 19 Feb 2019 13:48

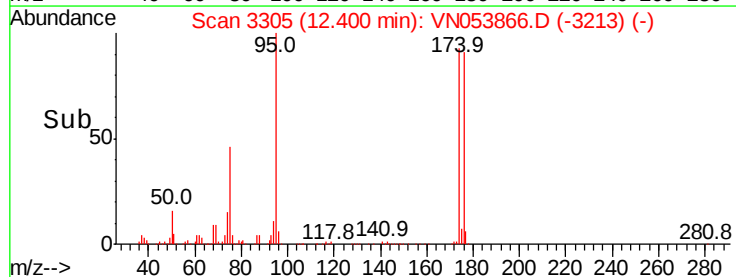
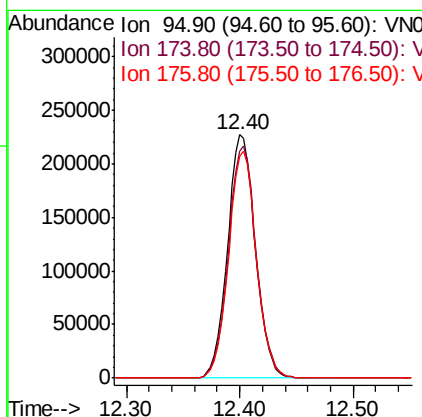
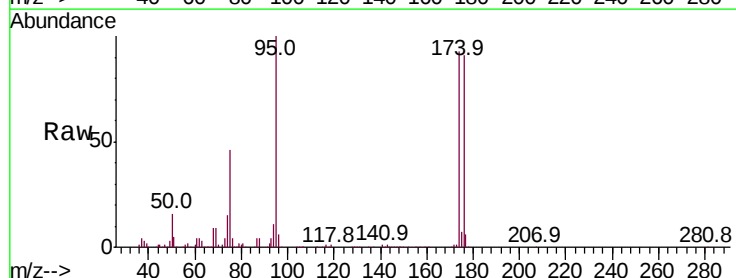
Instrument :
MSVOA_N
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-7

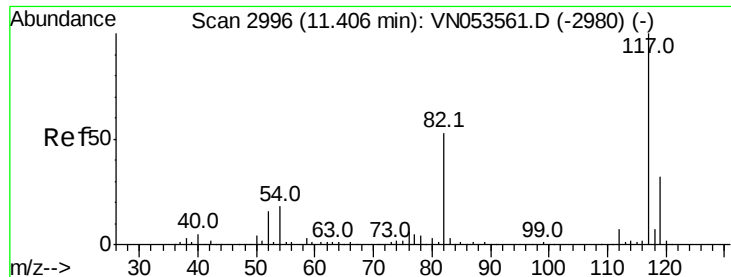
Tot Ion: 43 Resp: 113749
Ion Ratio Lower Upper
43 100
58 21.2 28.6 85.8#



#62
4-Bromofluorobenzene
Concen: 44.757 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053866.D
Acq: 19 Feb 2019 13:48

Tgt Ion: 95 Resp: 386832
Ion Ratio Lower Upper
95 100
174 96.4 0.0 183.2
176 93.4 0.0 177.4

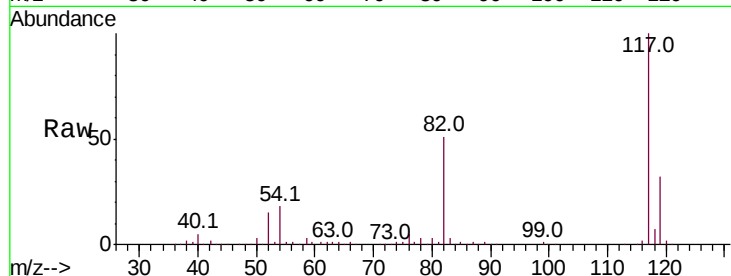




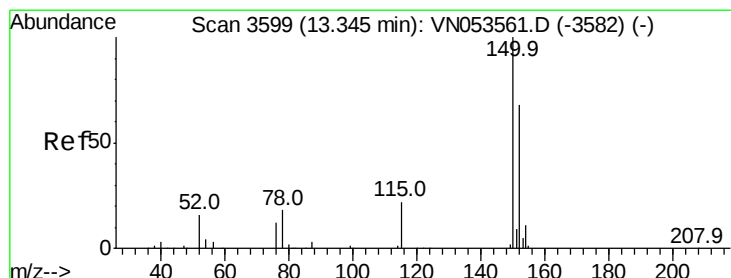
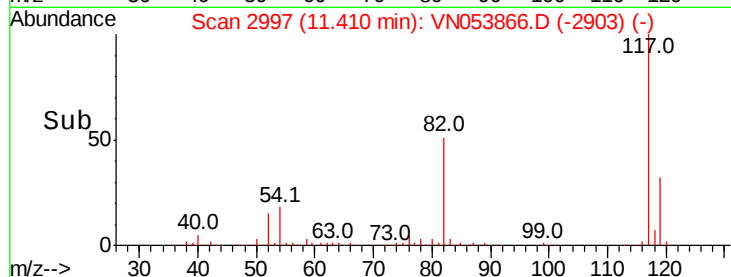
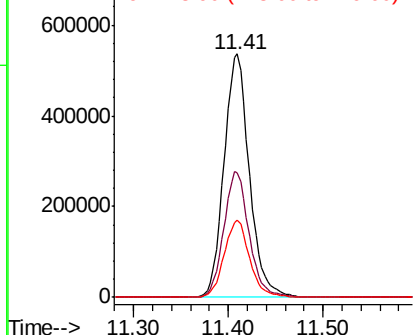
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053866.D
Acq: 19 Feb 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
CABLE-BRIDGE-FOUNDATION-D-7

Tot Ion:117 Resp: 996705
Ion Ratio Lower Upper
117 100
82 51.4 42.9 64.3
119 31.7 26.0 39.0

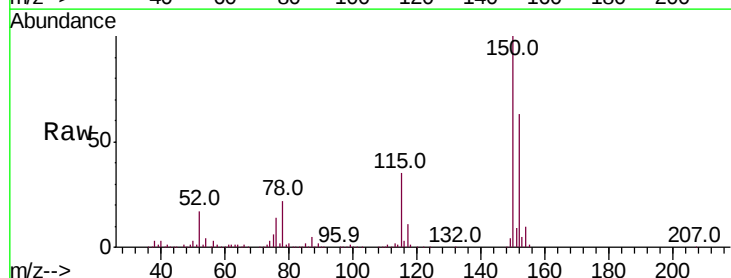


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

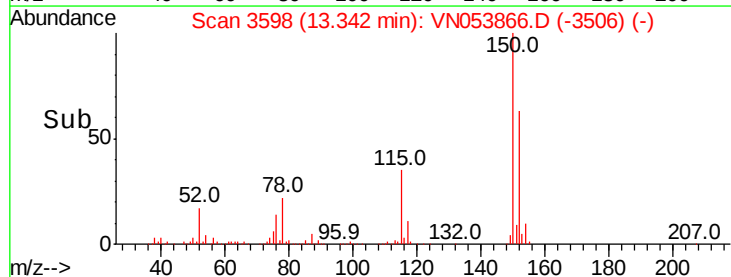
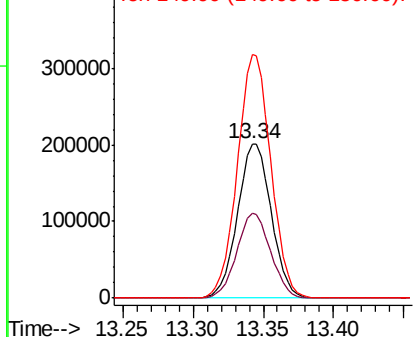


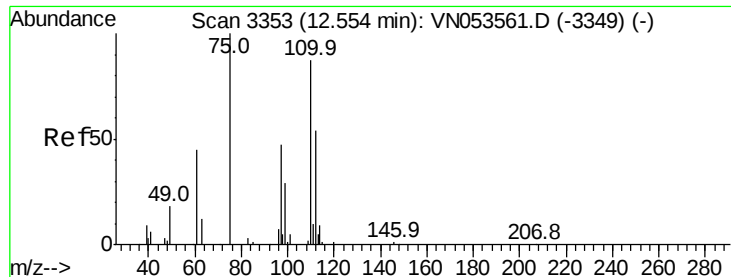
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053866.D
Acq: 19 Feb 2019 13:48

Tgt Ion:152 Resp: 337980
Ion Ratio Lower Upper
152 100
115 55.1 27.8 83.4
150 156.4 0.0 349.0



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: 41.773 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053866.D

Acq: 19 Feb 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

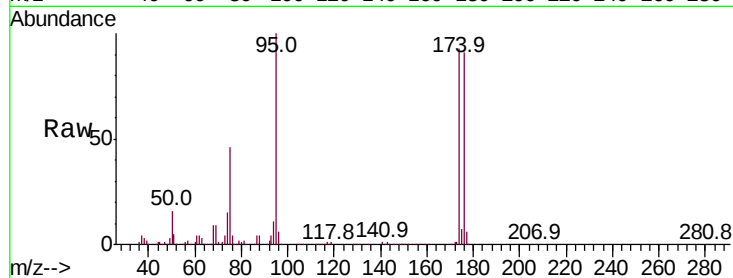
CABLE-BRIDGE-FOUNDATION-D-7

Tot Ion: 75 Resp: 181342

Ion Ratio Lower Upper

75 100

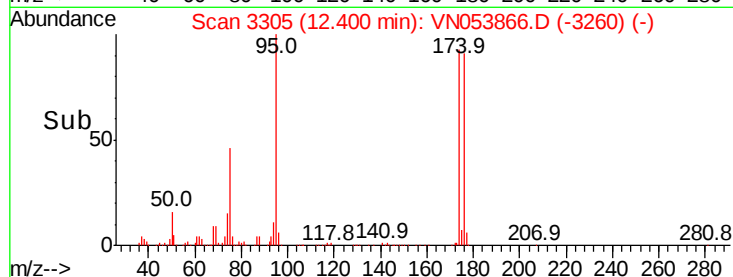
77 1.1 0.0 0.0#



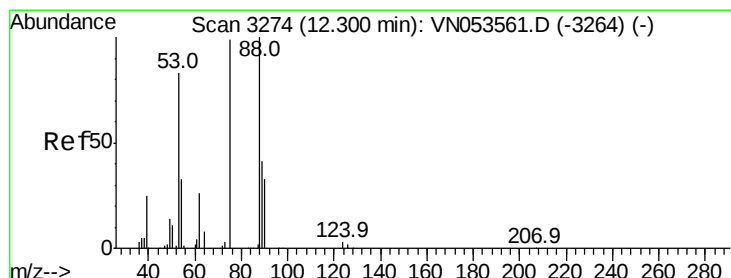
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 117.462 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053866.D

Acq: 19 Feb 2019 13:48

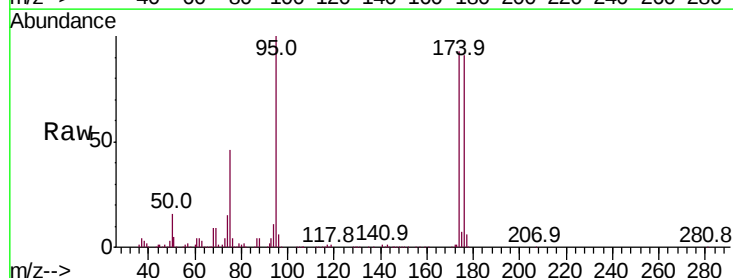
Tgt Ion: 75 Resp: 181342

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#

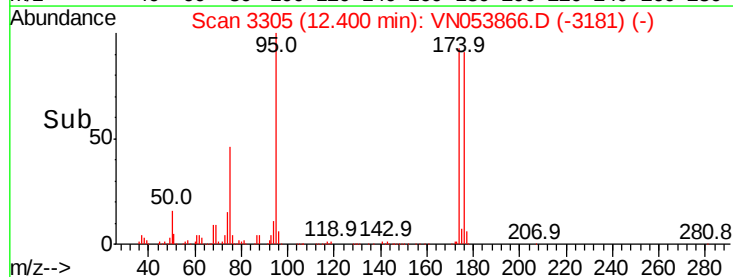
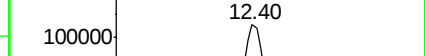


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

12.40



Time-->