

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN021819\
 Data File : VN053850.D
 Acq On : 18 Feb 2019 18:22
 Operator : JC/SP
 Sample : PB117159ZHE#14
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB117159ZHE#14

Quant Time: Feb 19 03:03:26 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	653831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1123351	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1047211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	405397	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	357653	54.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.06%	
35) Dibromofluoromethane	7.59	113	355065	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
50) Toluene-d8	10.09	98	1341292	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.40	95	444034	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	

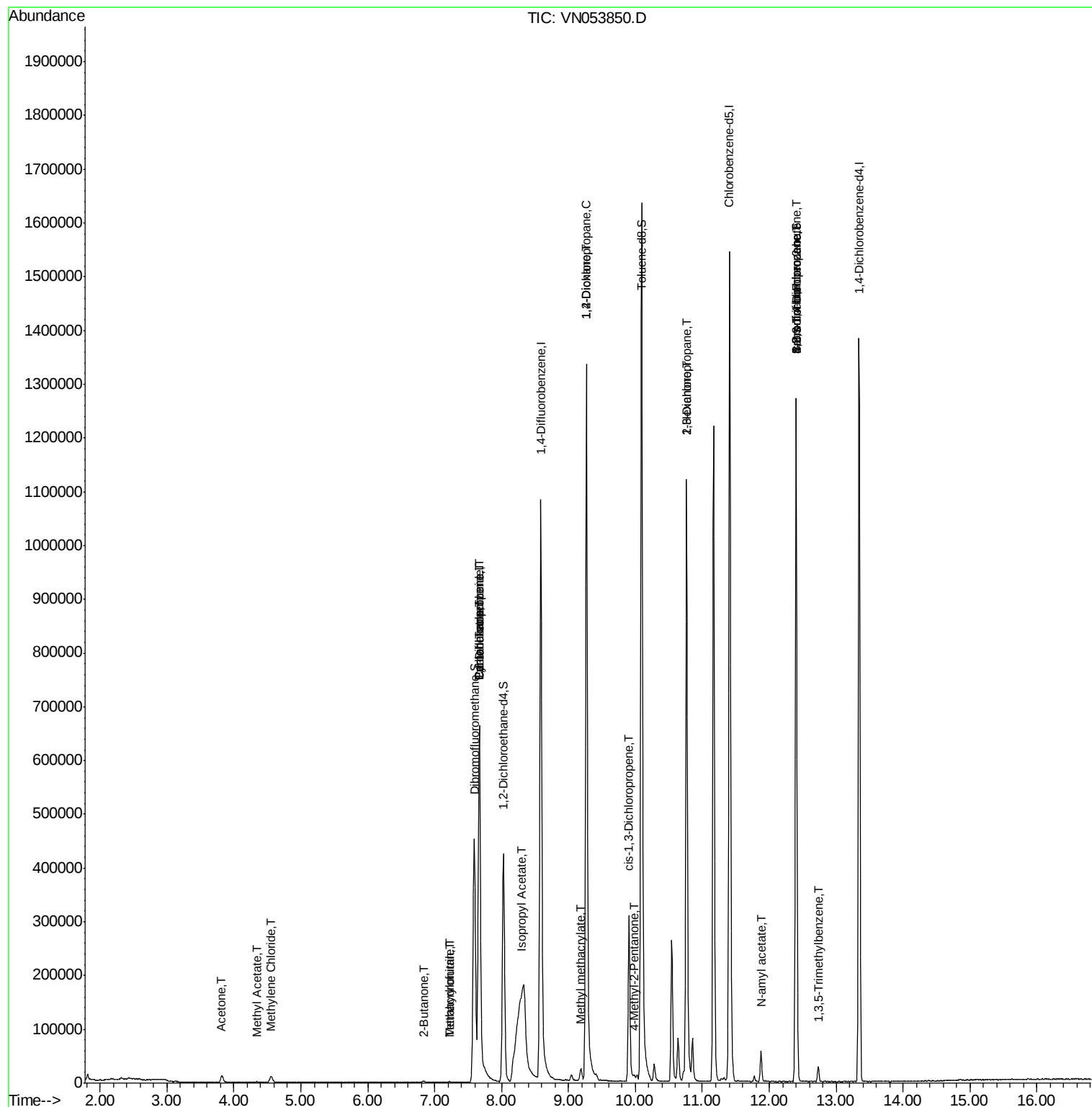
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	22691	13.487	ug/l	99
18) Methyl Acetate	4.34	43	3663	0.735	ug/l #	78
20) Methylene Chloride	4.55	84	9144	1.295	ug/l #	91
25) 2-Butanone	6.84	43	776	0.323	ug/l #	85
29) Tetrahydrofuran	7.22	42	1236	0.802	ug/l #	62
31) Cyclohexane	7.67	56	9794	0.716	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	39851	3.935	ug/l #	49
38) Carbon Tetrachloride	7.67	117	51849	5.083	ug/l #	17
41) Methacrylonitrile	7.21	41	818	0.259	ug/l #	24
43) Isopropyl Acetate	8.29	43	288099	26.377	ug/l #	51
45) 1,2-Dichloropropane	9.27	63	1872	0.234	ug/l #	43
48) Methyl methacrylate	9.18	41	8800	1.688	ug/l #	12
49) 1,4-Dioxane	9.26	88	72	40.014	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	5958	1.110	ug/l #	79
54) cis-1,3-Dichloropropene	9.90	75	65092	5.480	ug/l #	63
57) 1,3-Dichloropropane	10.76	76	12783	1.120	ug/l #	43
59) 2-Hexanone	10.76	43	164196	45.064	ug/l #	51
71) Bromoform	12.40	173	2943	0.553	ug/l #	1
74) N-amyl acetate	11.88	43	17489	2.552	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	207157	39.784	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	16667	0.705	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	207157	111.869	ug/l #	15

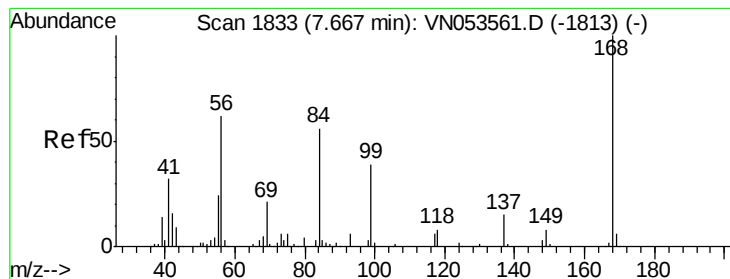
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN021819\
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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: VN053850.D

Acq: 18 Feb 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

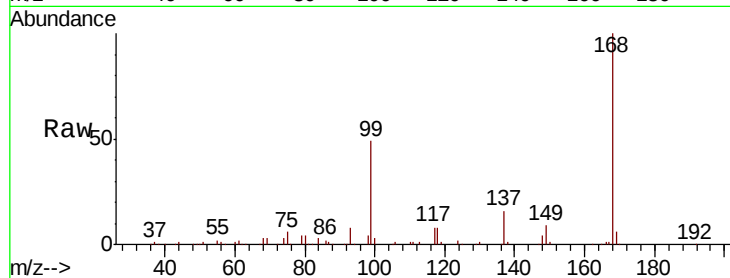
PB117159ZHE#14

Tgt Ion:168 Resp: 653831

Ion Ratio Lower Upper

168 100

99 48.7 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

150000

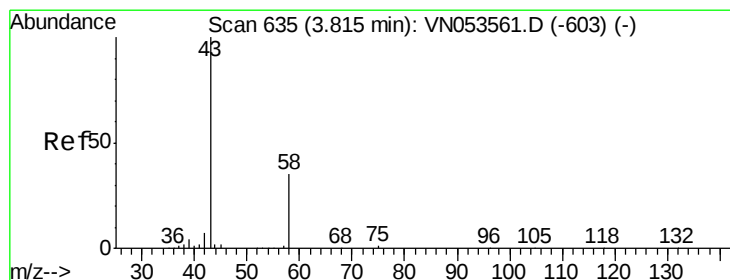
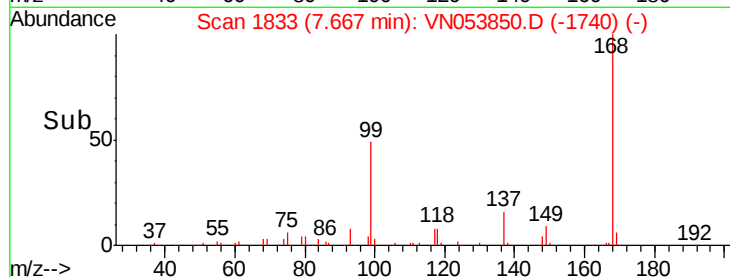
100000

50000

0

7.60 7.70 7.80

Time-->



#16

Acetone

Concen: 13.487 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053850.D

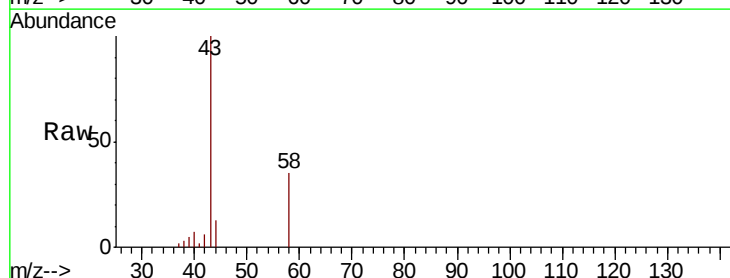
Acq: 18 Feb 2019 18:22

Tgt Ion: 43 Resp: 22691

Ion Ratio Lower Upper

43 100

58 34.7 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

8000

6000

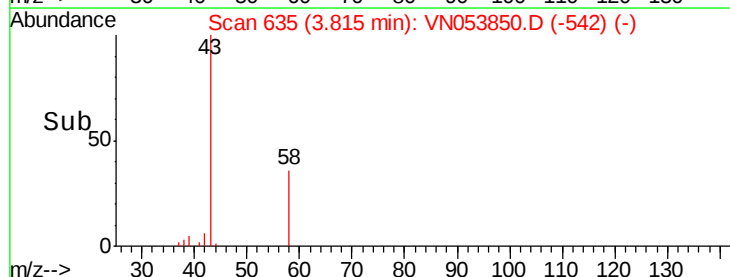
4000

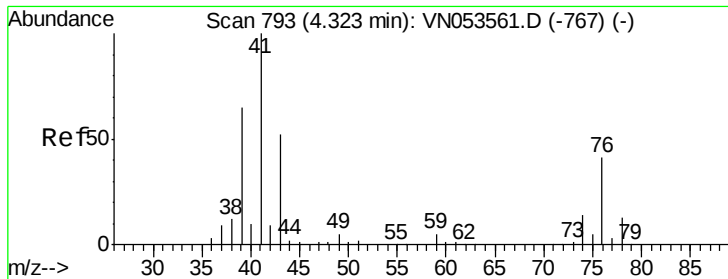
2000

0

3.70 3.80 3.90

Time-->

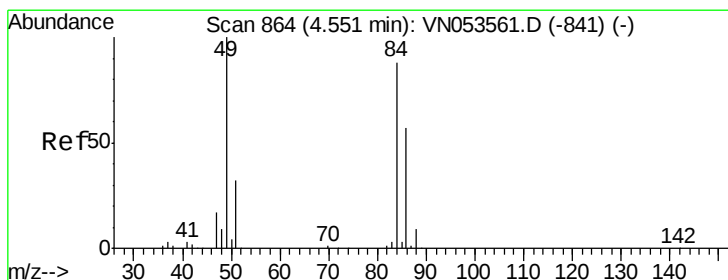
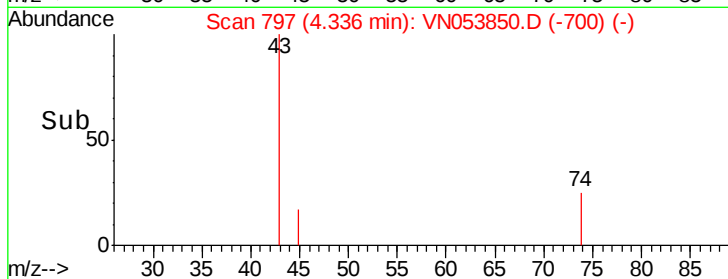
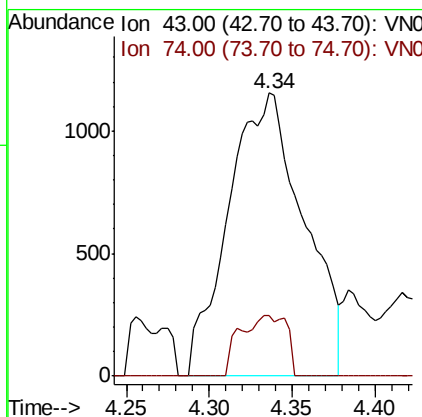
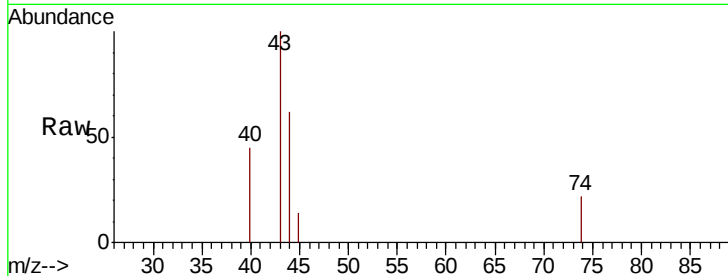




#18
Methyl Acetate
Concen: 0.735 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN053850.D
Acq: 18 Feb 2019 18:22

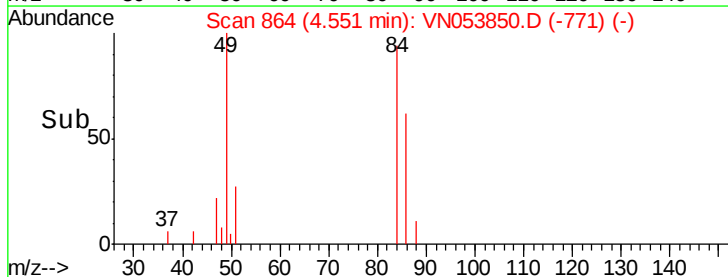
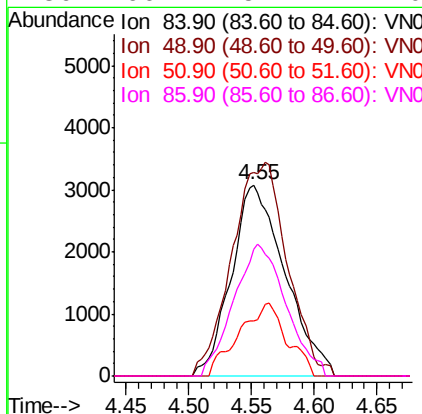
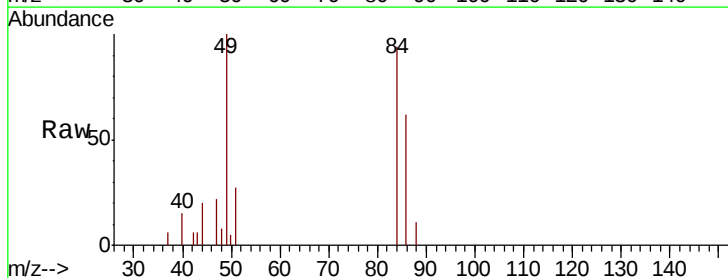
Instrument :
MSVOA_N
ClientSampleId :
PB117159ZHE#14

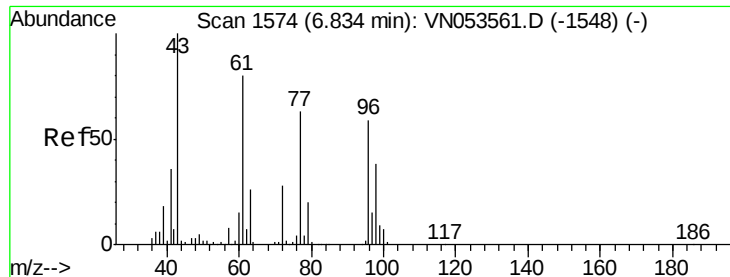
Tgt Ion: 43 Resp: 3663
Ion Ratio Lower Upper
43 100
74 13.2 19.4 29.2#



#20
Methylene Chloride
Concen: 1.295 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053850.D
Acq: 18 Feb 2019 18:22

Tgt Ion: 84 Resp: 9144
Ion Ratio Lower Upper
84 100
49 106.1 94.3 141.5
51 28.7 29.4 44.2#
86 66.2 51.4 77.0

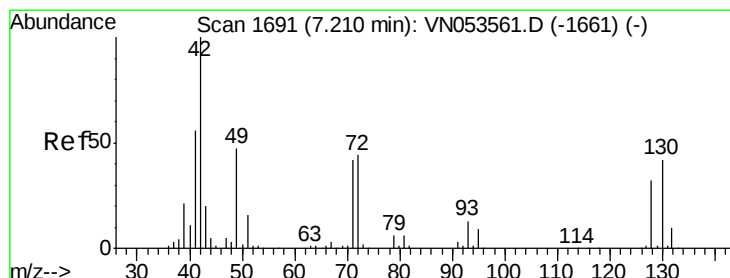
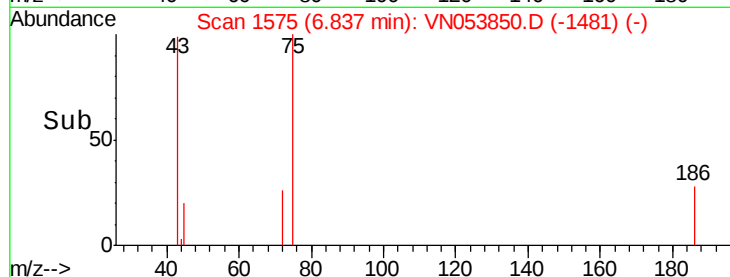
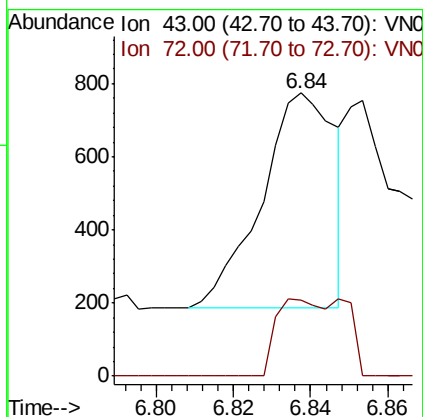
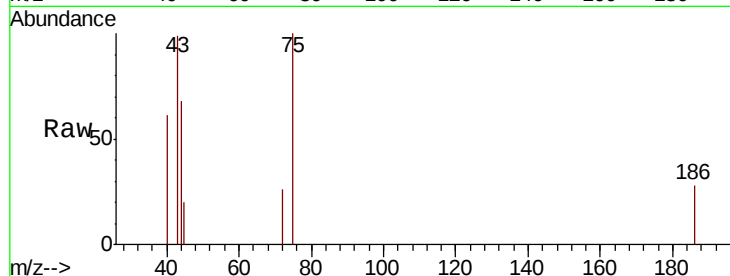




#25
 2-Butanone
 Concen: 0.323 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN053850.D
 Acq: 18 Feb 2019 18:22

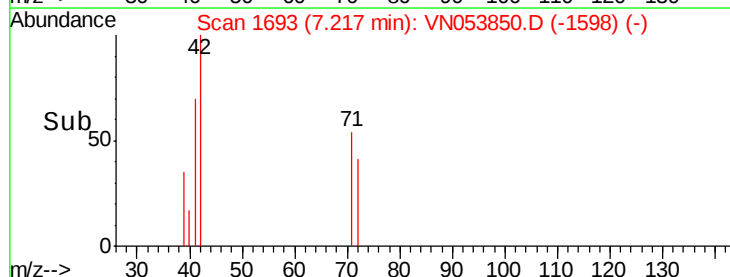
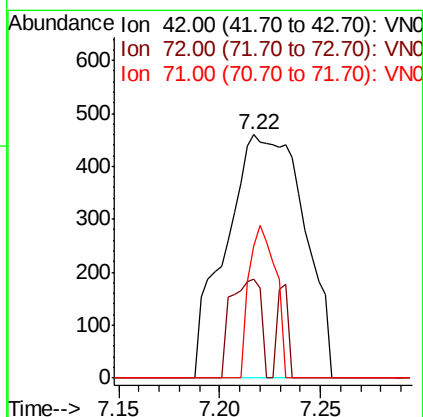
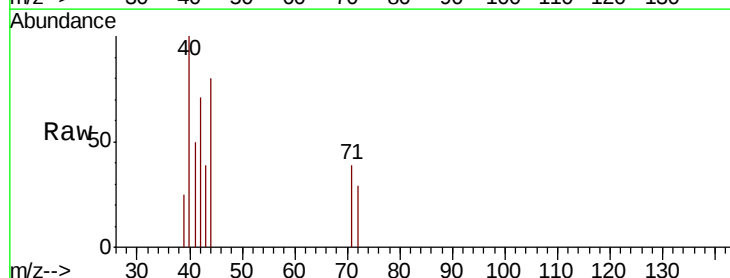
Instrument :
 MSVOA_N
 ClientSampleId :
 PB117159ZHE#14

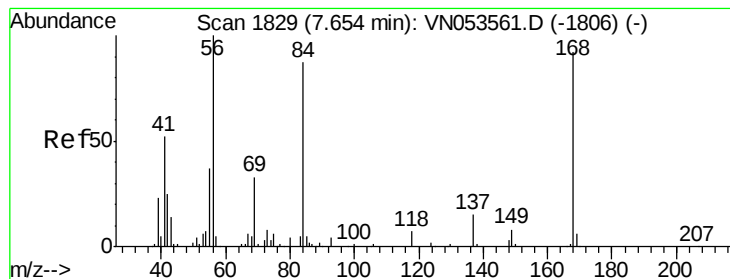
Tgt Ion: 43 Resp: 776
 Ion Ratio Lower Upper
 43 100
 72 35.2 22.0 33.0#



#29
 Tetrahydrofuran
 Concen: 0.802 ug/l
 RT: 7.22 min Scan# 1693
 Delta R.T. 0.01 min
 Lab File: VN053850.D
 Acq: 18 Feb 2019 18:22

Tgt Ion: 42 Resp: 1236
 Ion Ratio Lower Upper
 42 100
 72 15.9 35.2 52.8#
 71 21.6 33.0 49.4#





#31

Cyclohexane

Concen: 0.716 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.02 min

Lab File: VN053850.D

Acq: 18 Feb 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

PB117159ZHE#14

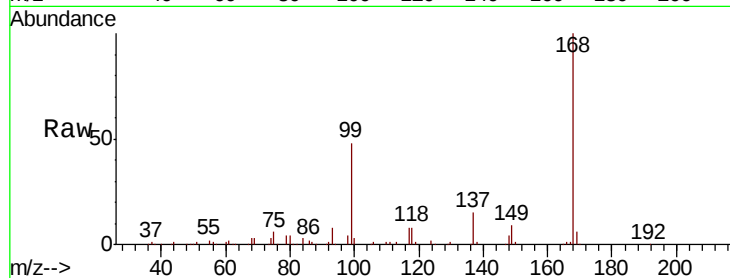
Tgt Ion: 56 Resp: 9794

Ion Ratio Lower Upper

56 100

69 195.2 26.4 39.6#

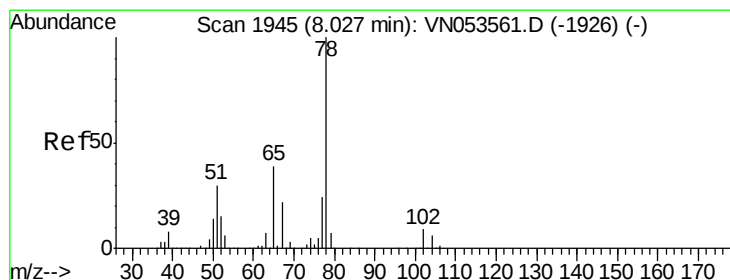
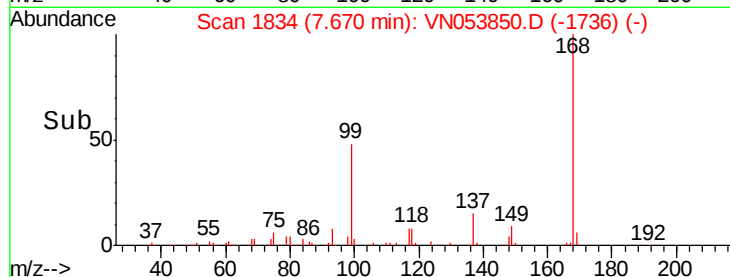
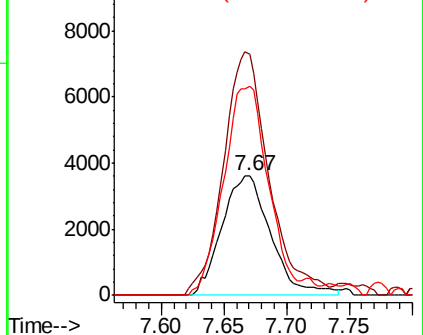
84 174.7 67.9 101.9#



Abundance Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#33

1,2-Dichloroethane-d4

Concen: 54.527 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053850.D

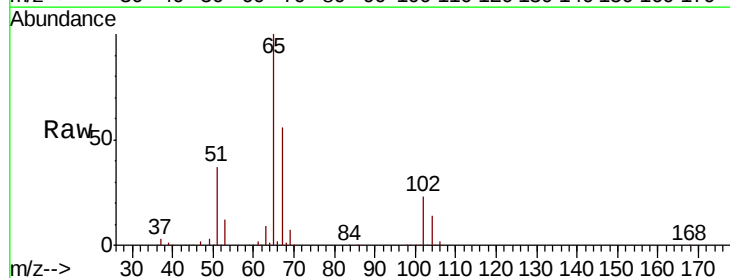
Acq: 18 Feb 2019 18:22

Tgt Ion: 65 Resp: 357653

Ion Ratio Lower Upper

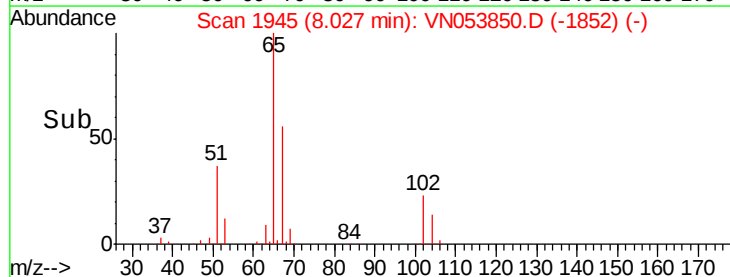
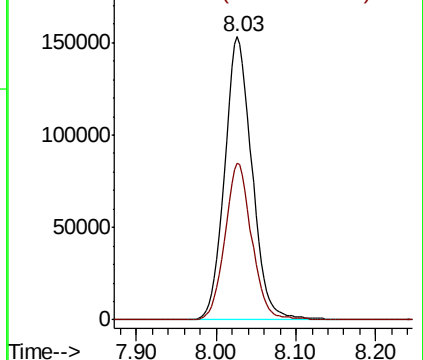
65 100

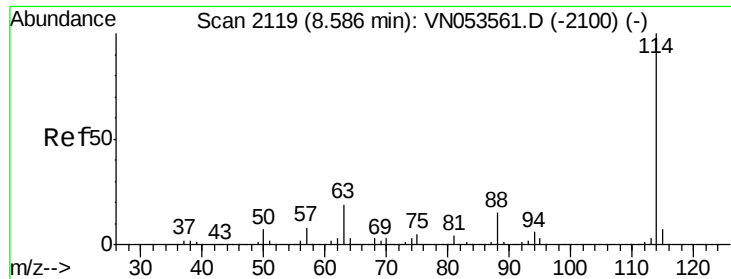
67 54.4 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VNC

Ion 66.90 (66.60 to 67.60): VNC

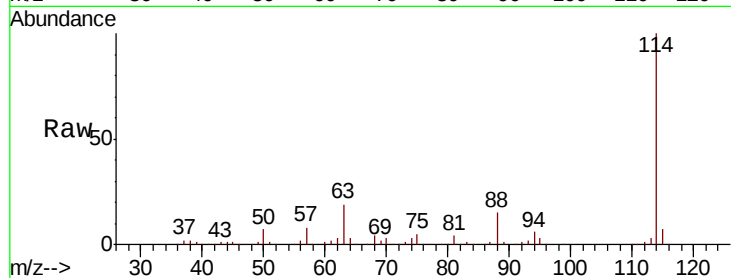




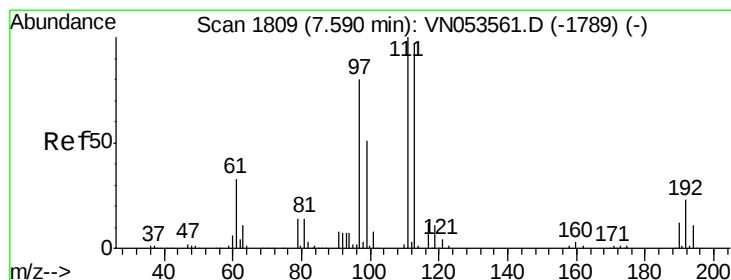
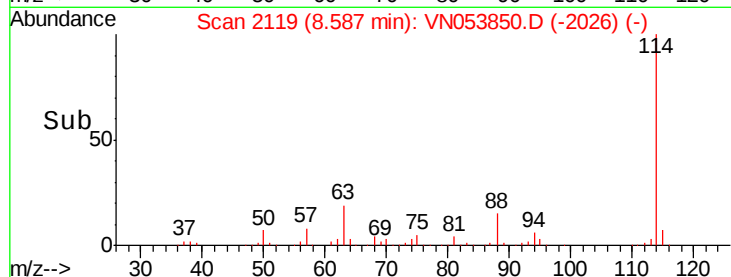
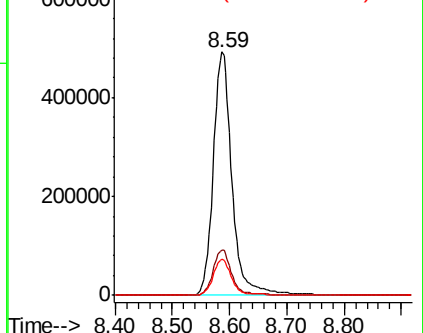
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053850.D
 Acq: 18 Feb 2019 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 PB117159ZHE#14

Tgt Ion:114 Resp: 1123351
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.6
 88 14.8 0.0 30.4

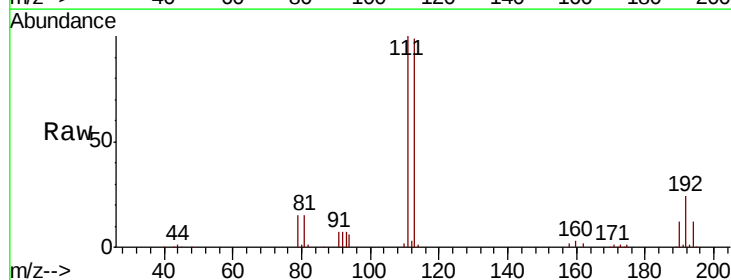


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

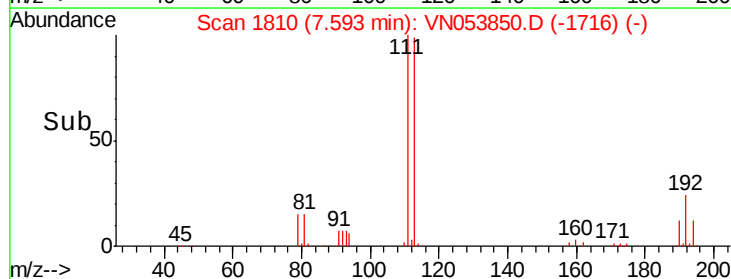
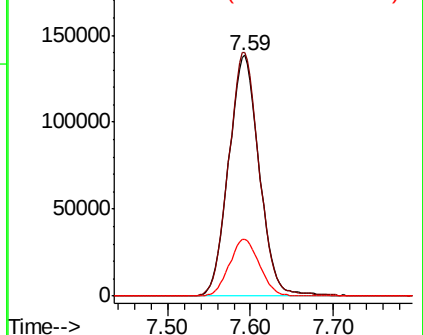


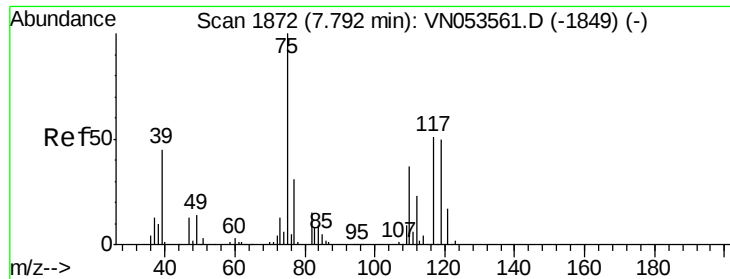
#35
 Dibromofluoromethane
 Concen: 50.022 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053850.D
 Acq: 18 Feb 2019 18:22

Tgt Ion:113 Resp: 355065
 Ion Ratio Lower Upper
 113 100
 111 101.4 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

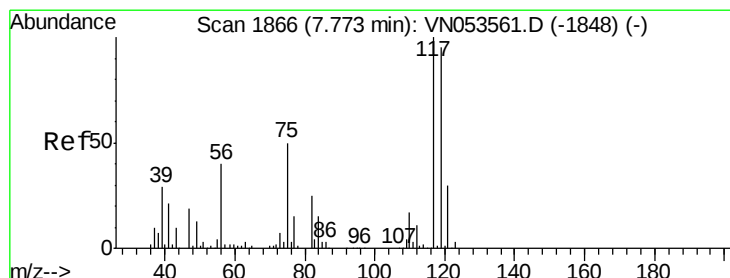
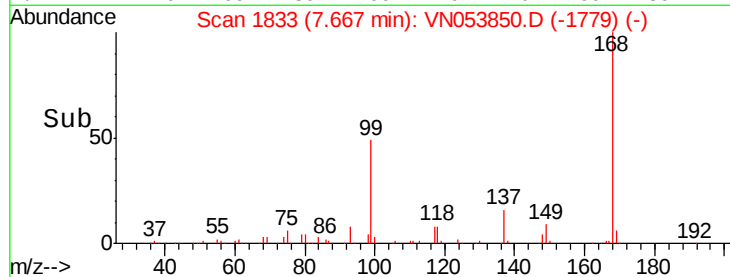
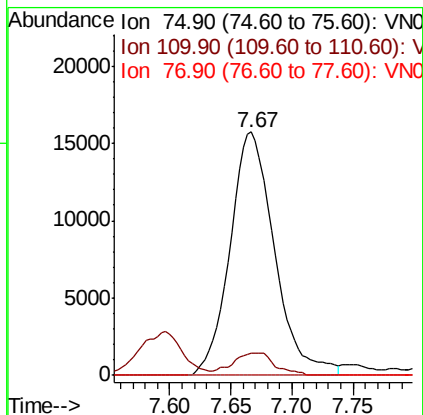
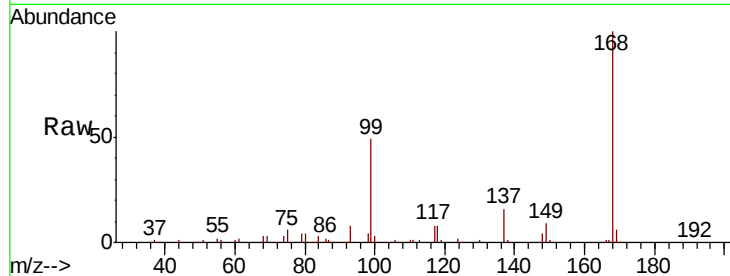




#36
 1,1-Dichloropropene
 Concen: 3.935 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053850.D
 Acq: 18 Feb 2019 18:22

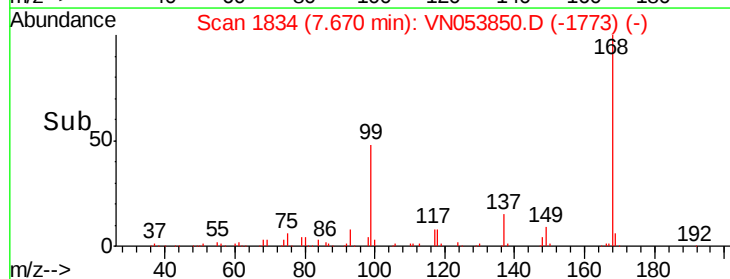
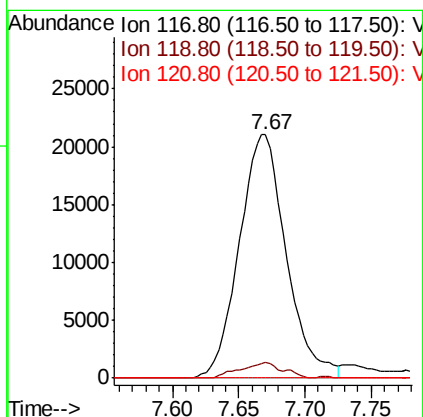
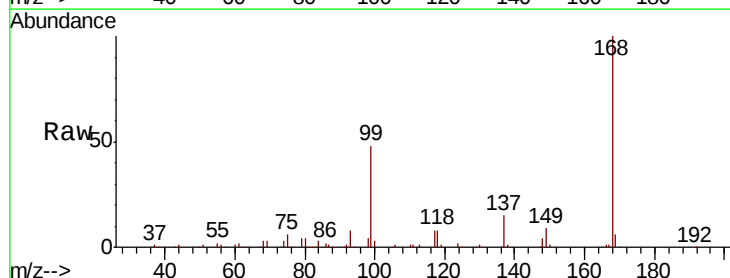
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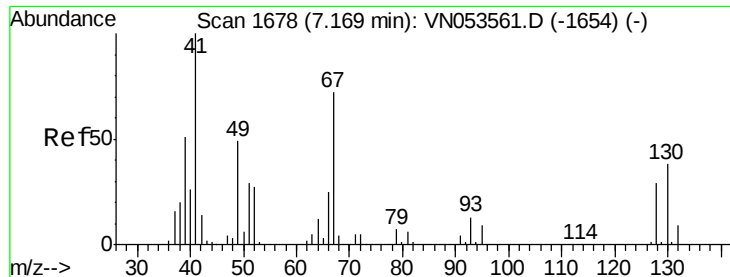
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.1	54.3#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 5.083 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.10 min
 Lab File: VN053850.D
 Acq: 18 Feb 2019 18:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.5	77.2	115.8#
121	0.0	24.6	37.0#

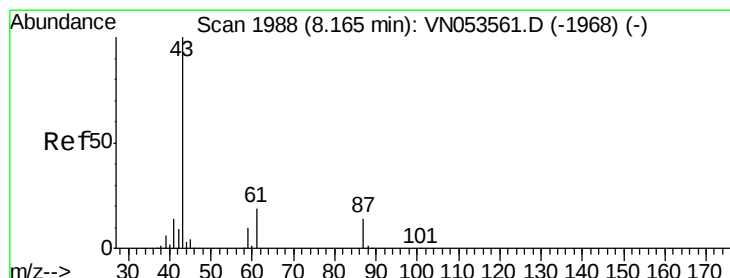
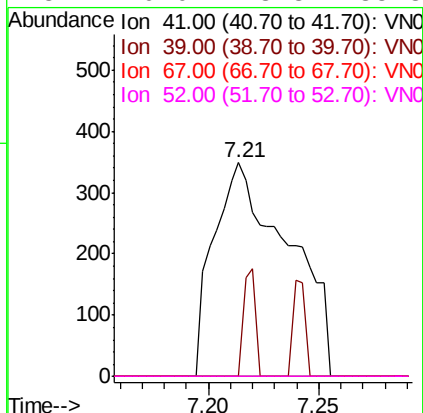
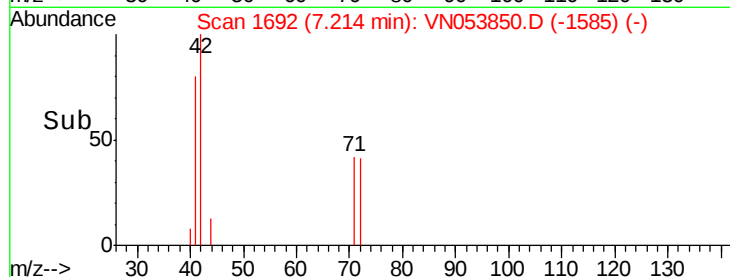
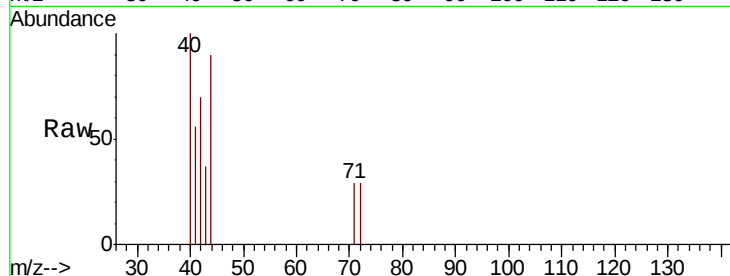




#41
Methacrylonitrile
Concen: 0.259 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.05 min
Lab File: VN053850.D
Acq: 18 Feb 2019 18:22

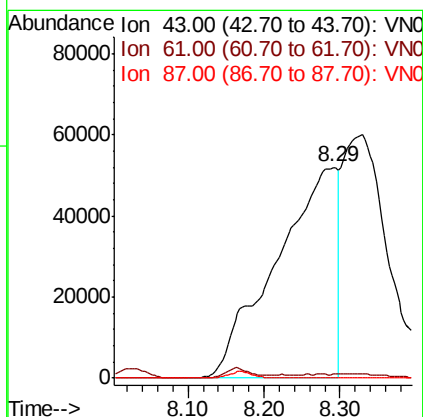
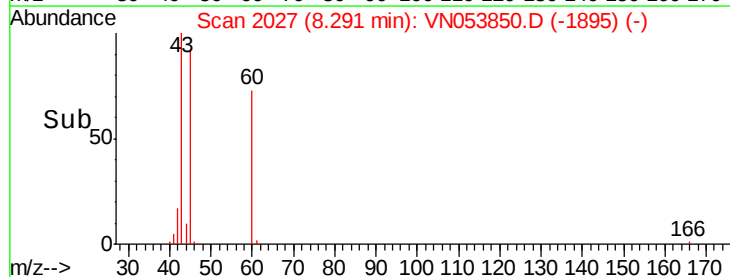
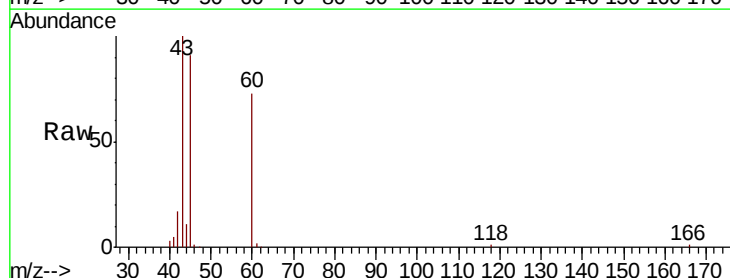
Instrument :
MSVOA_N
ClientSampleId :
PB117159ZHE#14

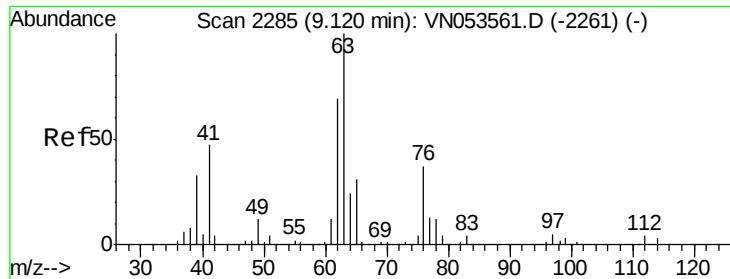
Tgt Ion: 41 Resp: 818
Ion Ratio Lower Upper
41 100
39 7.9 46.8 70.2#
67 0.0 63.0 94.6#
52 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 26.377 ug/l
RT: 8.29 min Scan# 2027
Delta R.T. 0.13 min
Lab File: VN053850.D
Acq: 18 Feb 2019 18:22

Tgt Ion: 43 Resp: 288099
Ion Ratio Lower Upper
43 100
61 0.0 23.9 35.9#
87 0.0 11.0 16.6#





#45

1,2-Dichloropropane

Concen: 0.234 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN053850.D

Acq: 18 Feb 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

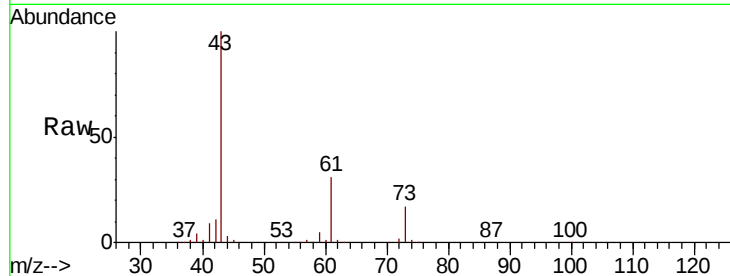
PB117159ZHE#14

Tgt Ion: 63 Resp: 1872

Ion Ratio Lower Upper

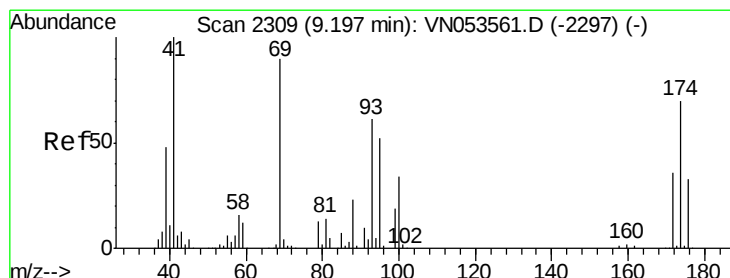
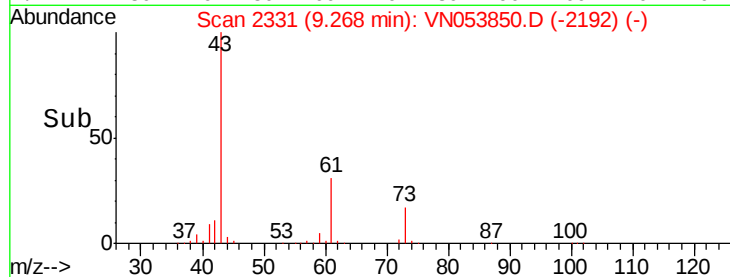
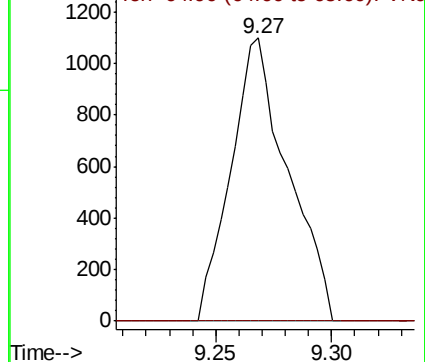
63 100

65 0.0 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 64.90 (64.60 to 65.60): VNC



#48

Methyl methacrylate

Concen: 1.688 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN053850.D

Acq: 18 Feb 2019 18:22

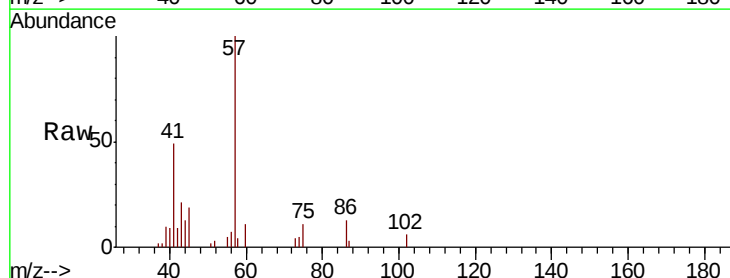
Tgt Ion: 41 Resp: 8800

Ion Ratio Lower Upper

41 100

69 0.0 73.8 110.6#

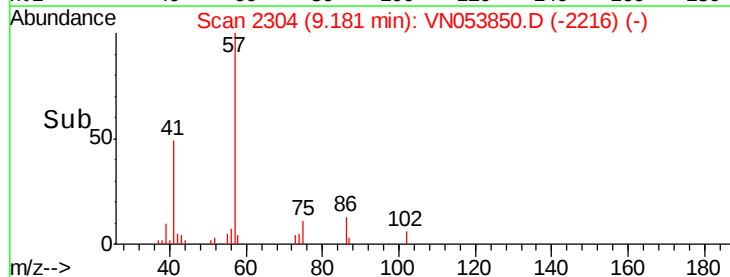
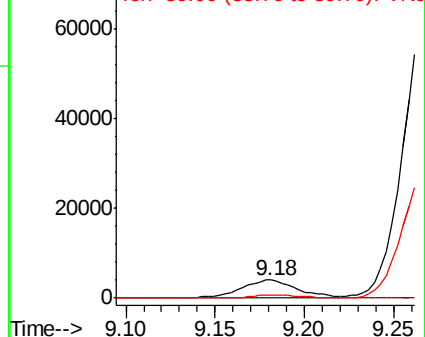
39 0.0 40.0 60.0#

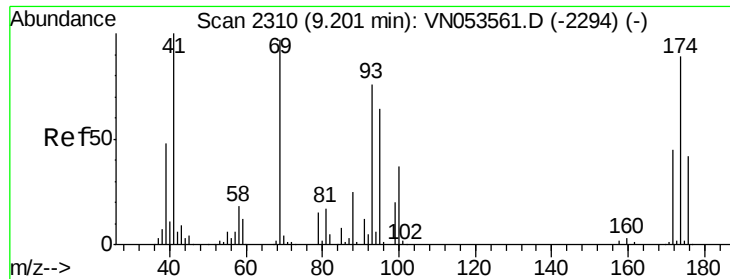


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC





#49

1,4-Dioxane

Concen: 40.014 ug/l

RT: 9.26 min Scan# 2328

Delta R.T. 0.06 min

Lab File: VN053850.D

Acq: 18 Feb 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

PB117159ZHE#14

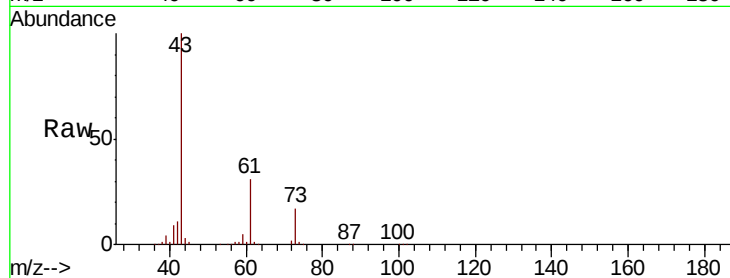
Tgt Ion: 88 Resp: 72

Ion Ratio Lower Upper

88 100

43 1946115.3 27.8 41.6#

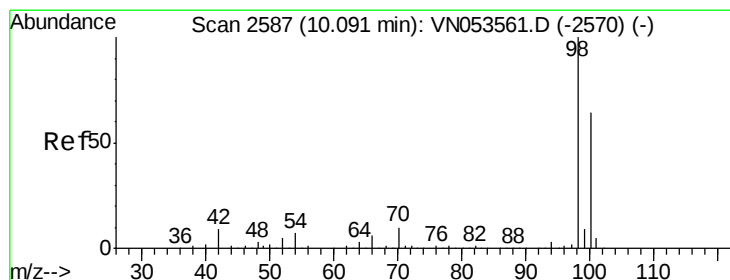
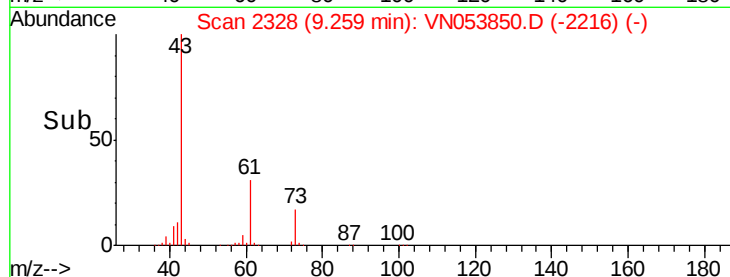
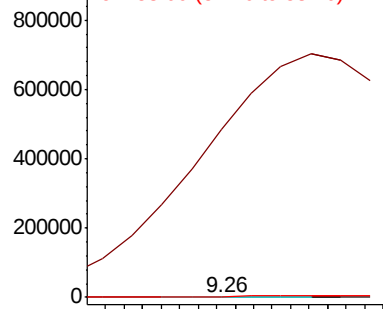
58 10168.1 56.5 84.7#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.326 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053850.D

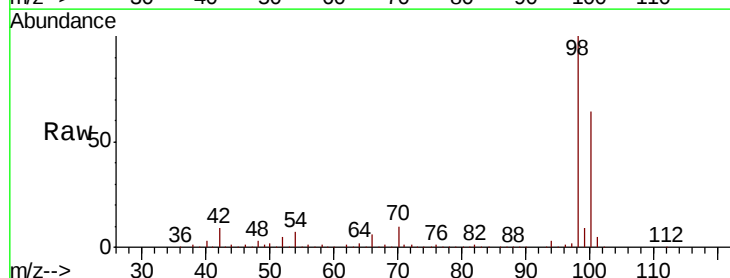
Acq: 18 Feb 2019 18:22

Tgt Ion: 98 Resp: 1341292

Ion Ratio Lower Upper

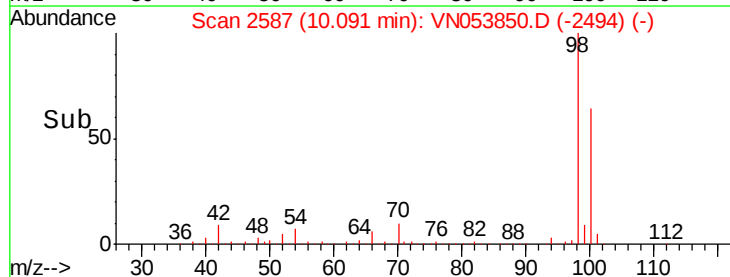
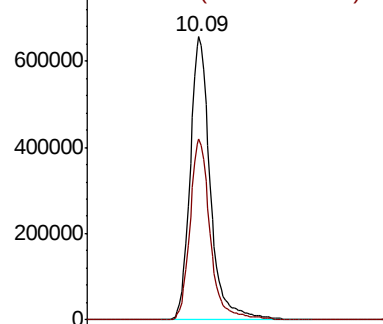
98 100

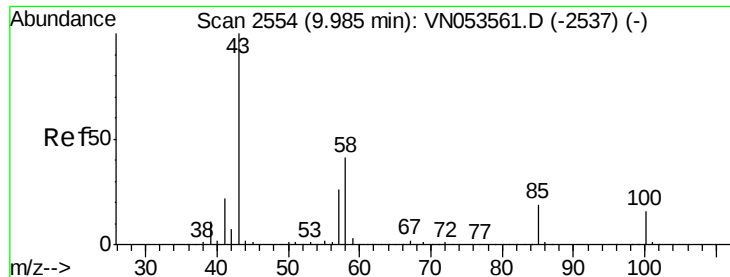
100 64.3 51.4 77.0



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: 1.110 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053850.D

Acq: 18 Feb 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

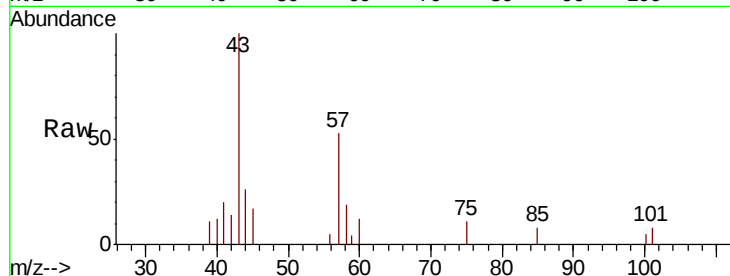
PB117159ZHE#14

Tgt Ion: 43 Resp: 5958

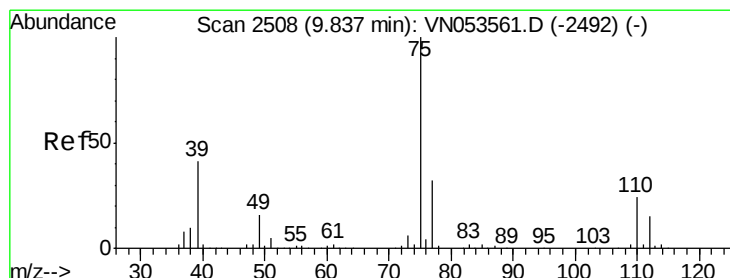
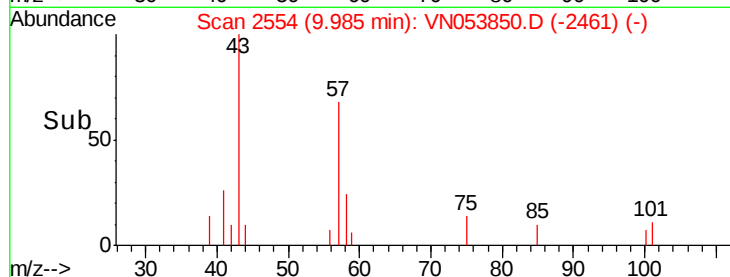
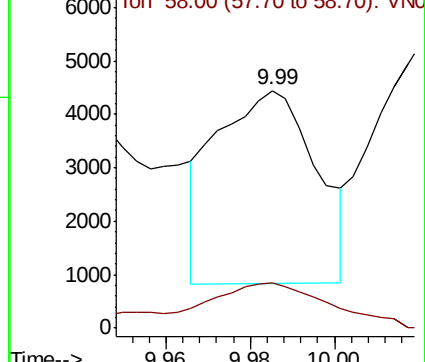
Ion Ratio Lower Upper

43 100

58 27.9 32.8 49.2#



Abundance Ion 43.00 (42.70 to 43.70): VN053850.D (-2461) (-)



#54

cis-1,3-Dichloropropene

Concen: 5.480 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN053850.D

Acq: 18 Feb 2019 18:22

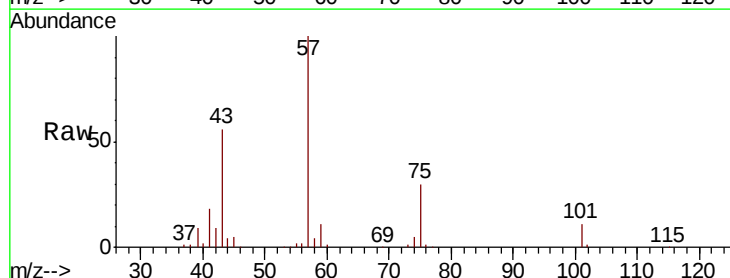
Tgt Ion: 75 Resp: 65092

Ion Ratio Lower Upper

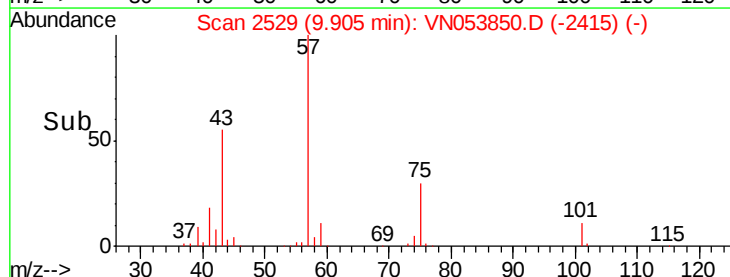
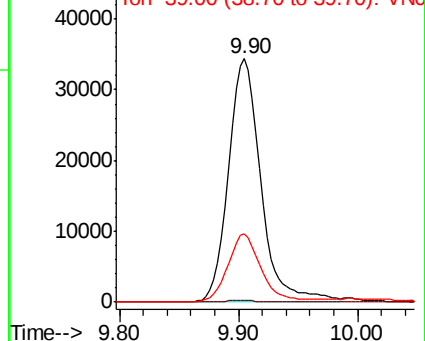
75 100

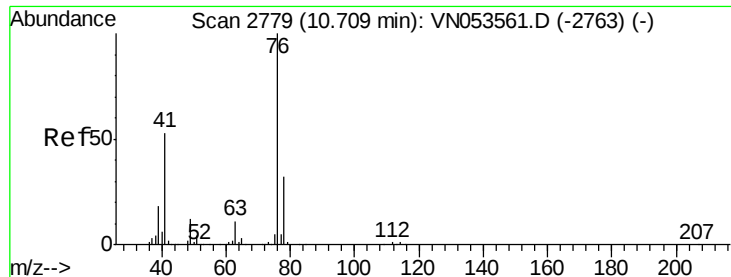
77 0.6 25.8 38.6#

39 28.3 33.4 50.0#



Abundance Ion 74.90 (74.60 to 75.60): VN053850.D (-2415) (-)

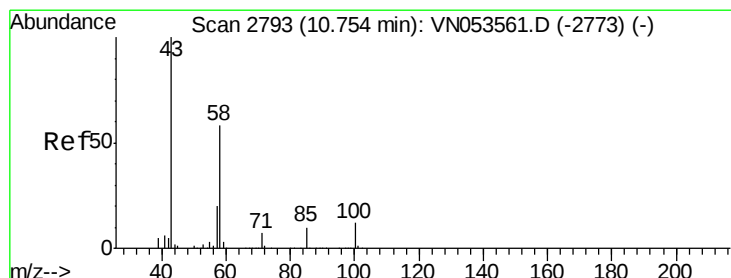
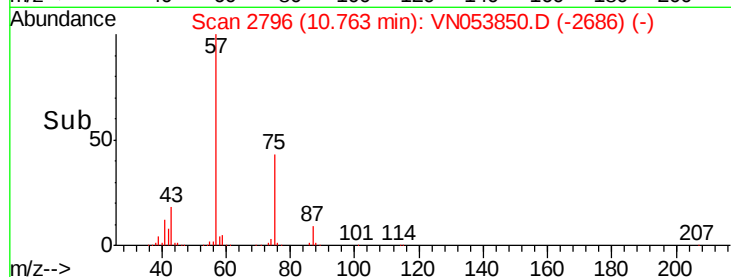
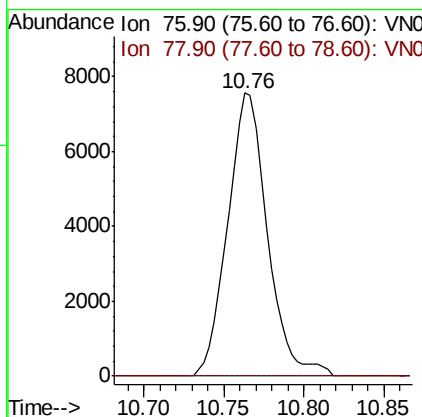
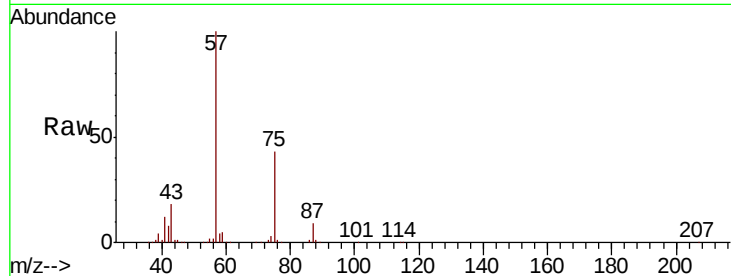




#57
 1,3-Dichloropropane
 Concen: 1.120 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.05 min
 Lab File: VN053850.D
 Acq: 18 Feb 2019 18:22

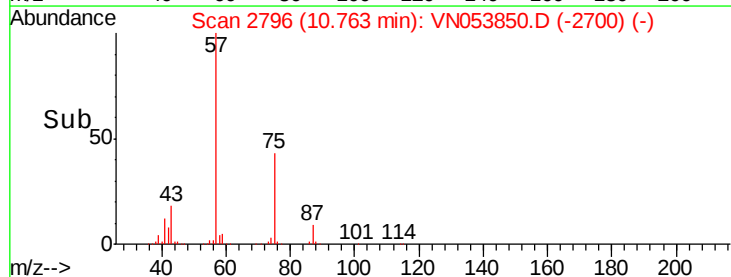
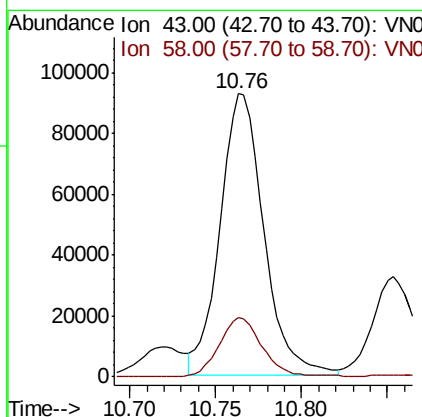
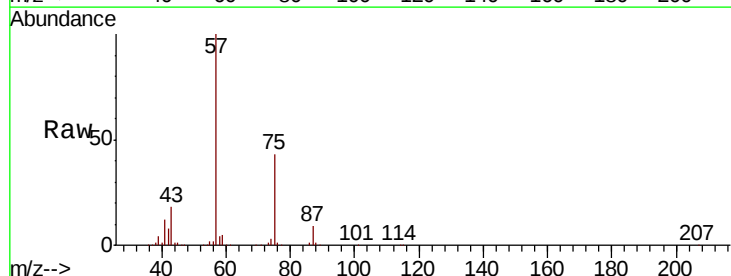
Instrument :
 MSVOA_N
 ClientSampleId :
 PB117159ZHE#14

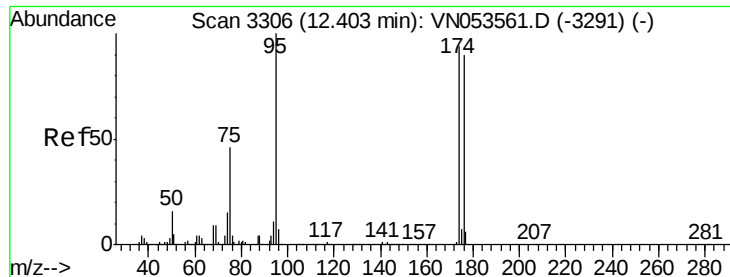
Tgt Ion: 76 Resp: 12783
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#



#59
 2-Hexanone
 Concen: 45.064 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN053850.D
 Acq: 18 Feb 2019 18:22

Tgt Ion: 43 Resp: 164196
 Ion Ratio Lower Upper
 43 100
 58 20.9 28.6 85.8#





#62

4-Bromofluorobenzene

Concen: 49.954 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053850.D

Acq: 18 Feb 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

PB117159ZHE#14

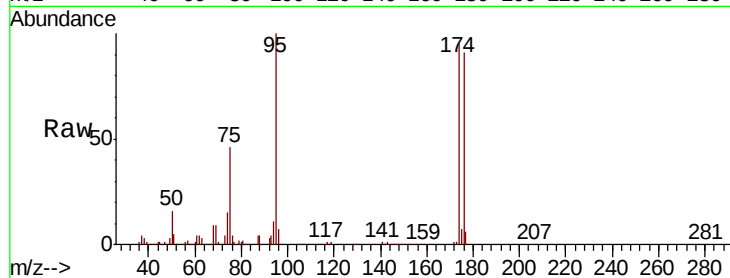
Tgt Ion: 95 Resp: 444034

Ion Ratio Lower Upper

95 100

174 95.7 0.0 183.2

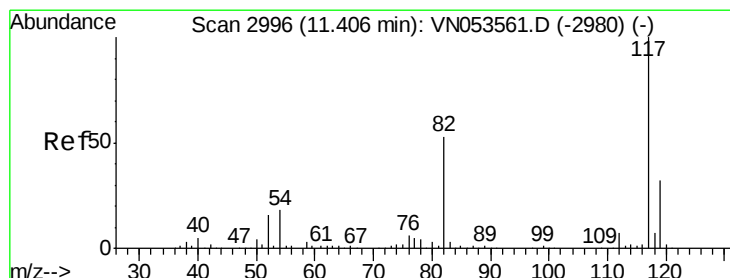
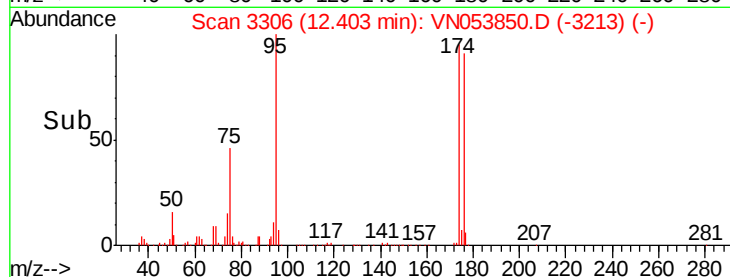
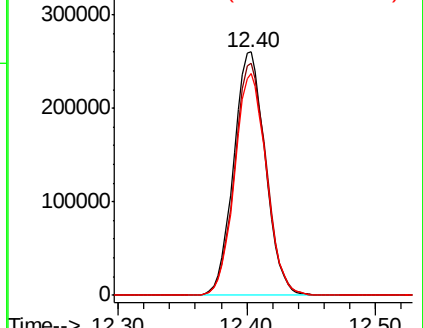
176 91.6 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053850.D

Acq: 18 Feb 2019 18:22

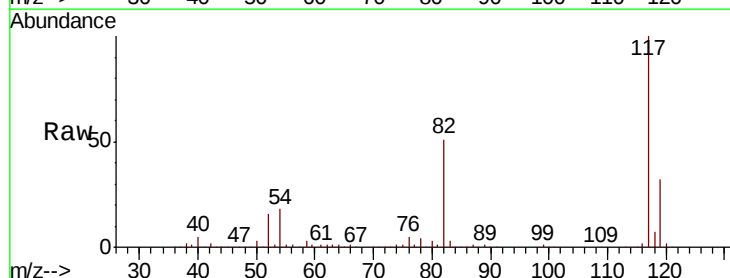
Tgt Ion: 117 Resp: 1047211

Ion Ratio Lower Upper

117 100

82 51.5 42.9 64.3

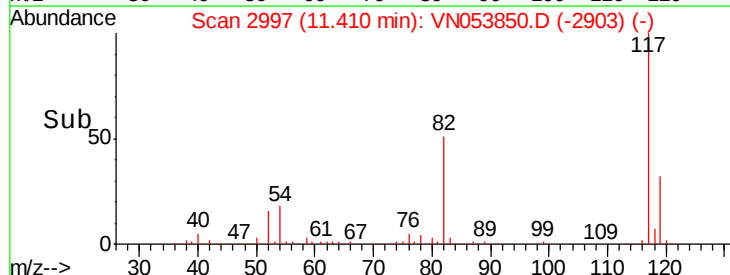
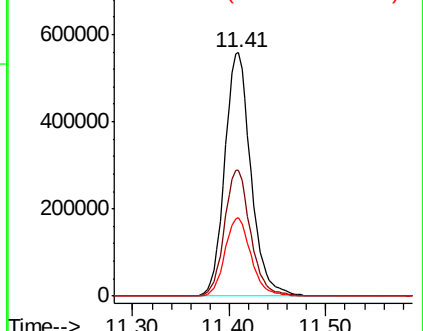
119 32.0 26.0 39.0

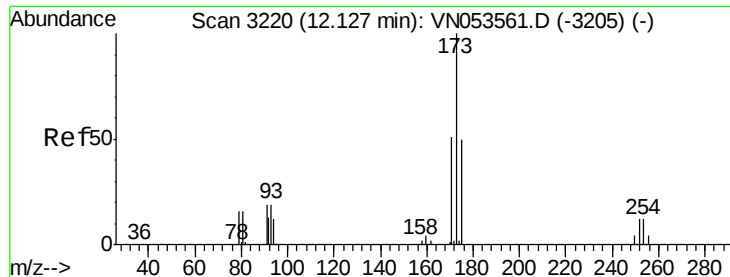


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 0.553 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN053850.D

Acq: 18 Feb 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

PB117159ZHE#14

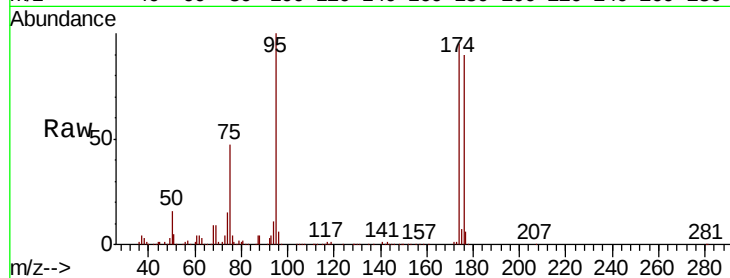
Tgt Ion:173 Resp: 2943

Ion Ratio Lower Upper

173 100

175 883.0 24.6 74.0#

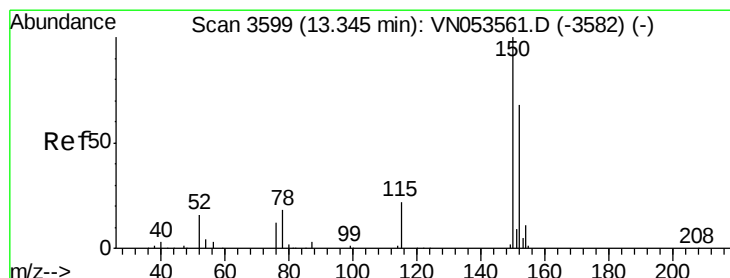
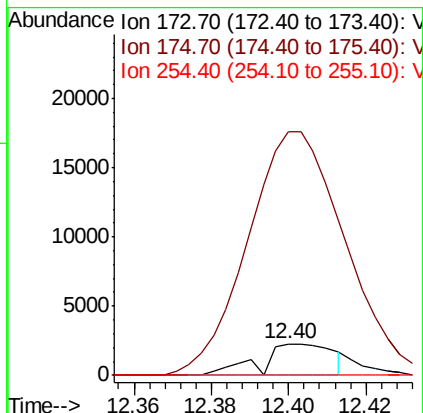
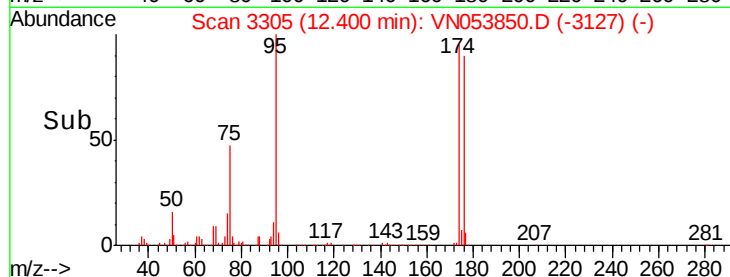
254 0.0 0.2 0.2#



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# 3599

Delta R.T. 0.00 min

Lab File: VN053850.D

Acq: 18 Feb 2019 18:22

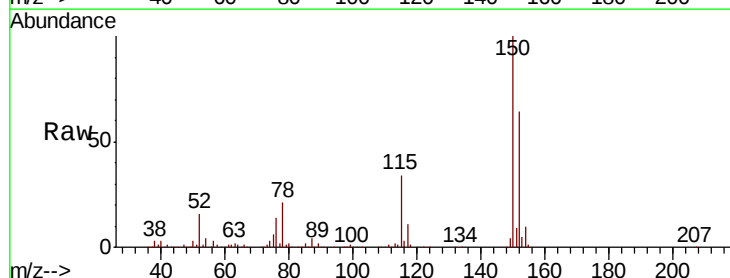
Tgt Ion:152 Resp: 405397

Ion Ratio Lower Upper

152 100

115 54.5 27.8 83.4

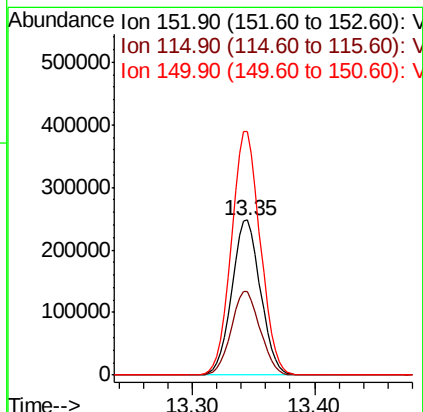
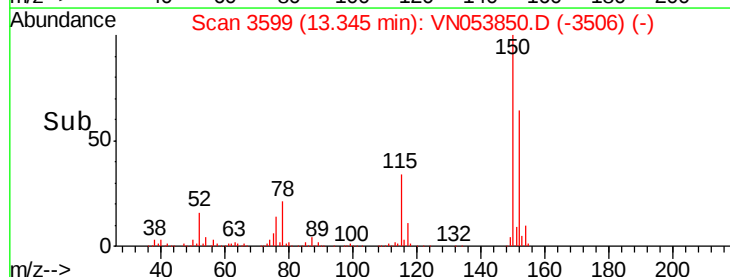
150 158.2 0.0 349.0

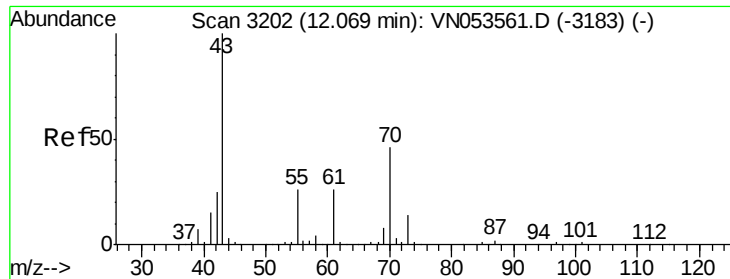


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 2.552 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN053850.D

Acq: 18 Feb 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

PB117159ZHE#14

Tgt Ion: 43 Resp: 17489

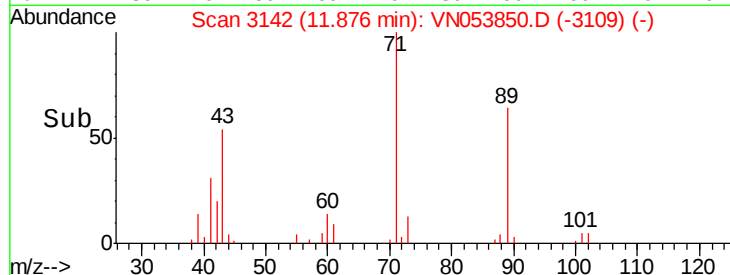
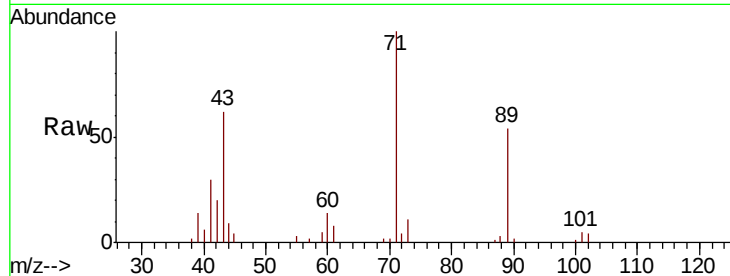
Ion Ratio Lower Upper

43 100

70 2.2 35.4 53.2#

55 5.2 20.9 31.3#

61 11.1 20.5 30.7#

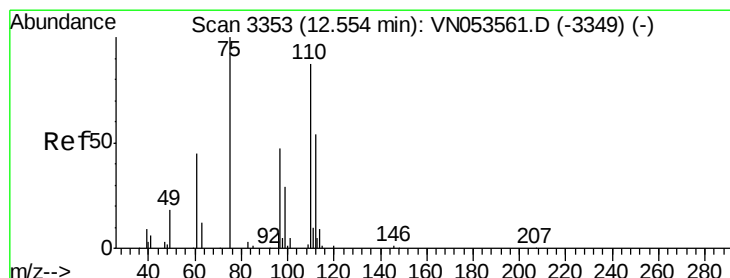
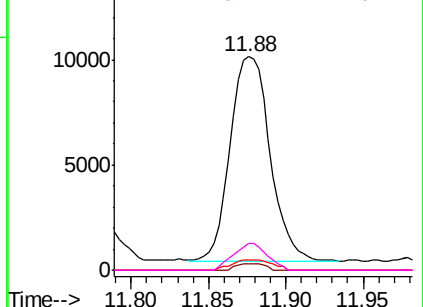


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 39.784 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053850.D

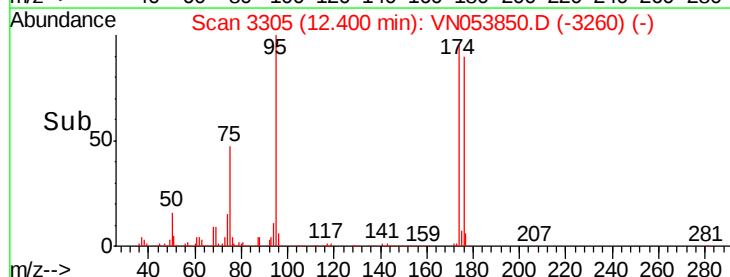
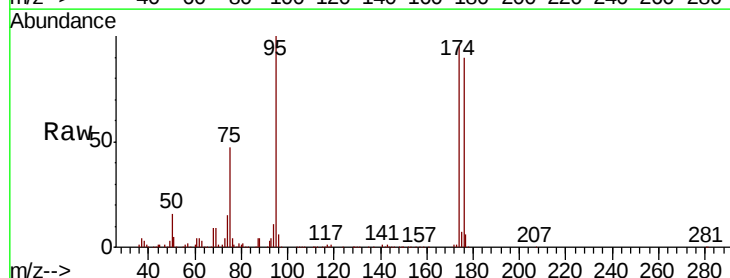
Acq: 18 Feb 2019 18:22

Tgt Ion: 75 Resp: 207157

Ion Ratio Lower Upper

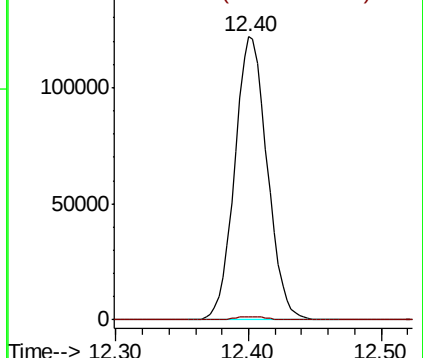
75 100

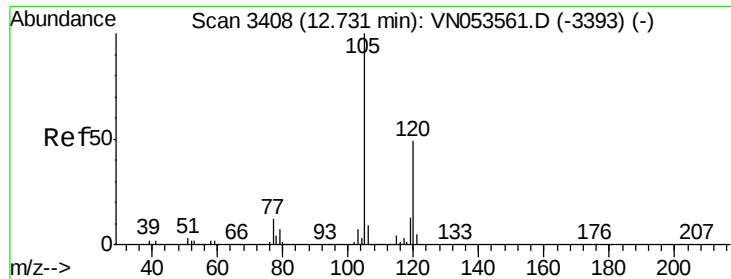
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#80

1,3,5-Trimethylbenzene

Concen: 0.705 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053850.D

Acq: 18 Feb 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

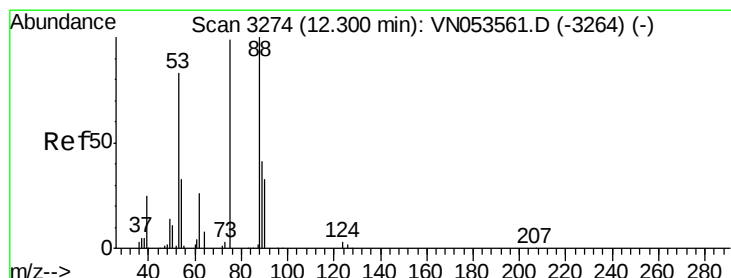
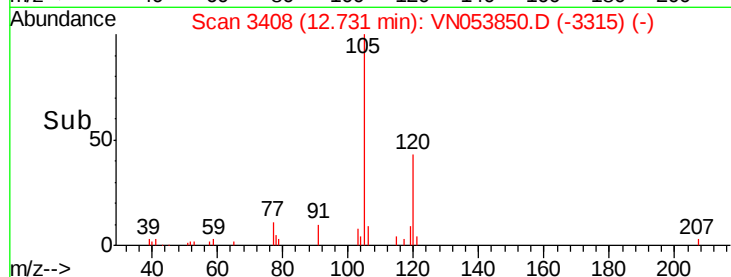
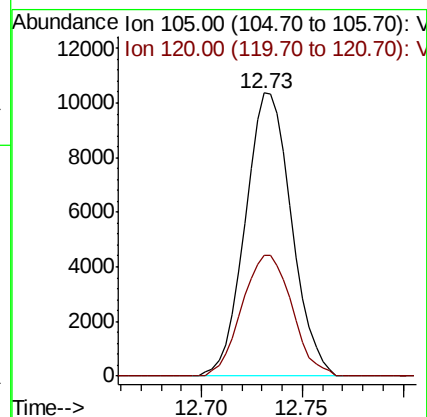
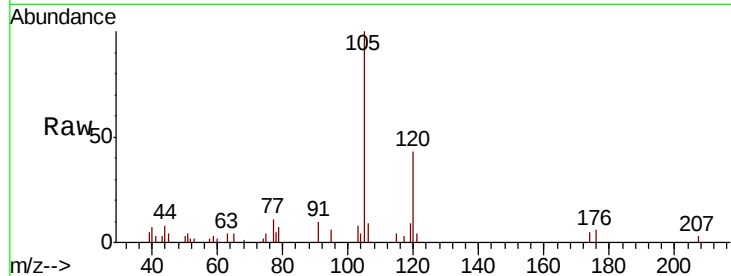
PB117159ZHE#14

Tgt Ion:105 Resp: 16667

Ion Ratio Lower Upper

105 100

120 46.0 24.9 74.6



#81

trans-1,4-Dichloro-2-butene

Concen: 111.869 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053850.D

Acq: 18 Feb 2019 18:22

Tgt Ion: 75 Resp: 207157

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#

