

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112018\
 Data File : VN052400.D
 Acq On : 20 Nov 2018 11:51
 Operator : MD\SY
 Sample : VN1120WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1120WBL01

Quant Time: Nov 20 13:13:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	310856	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	520250	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	424174	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	134230	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	230113	52.41	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.82%	
35) Dibromofluoromethane	7.59	113	170841	50.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.82%	
50) Toluene-d8	10.09	98	647474	49.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.10%	
62) 4-Bromofluorobenzene	12.40	95	182101	41.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	83.86%	

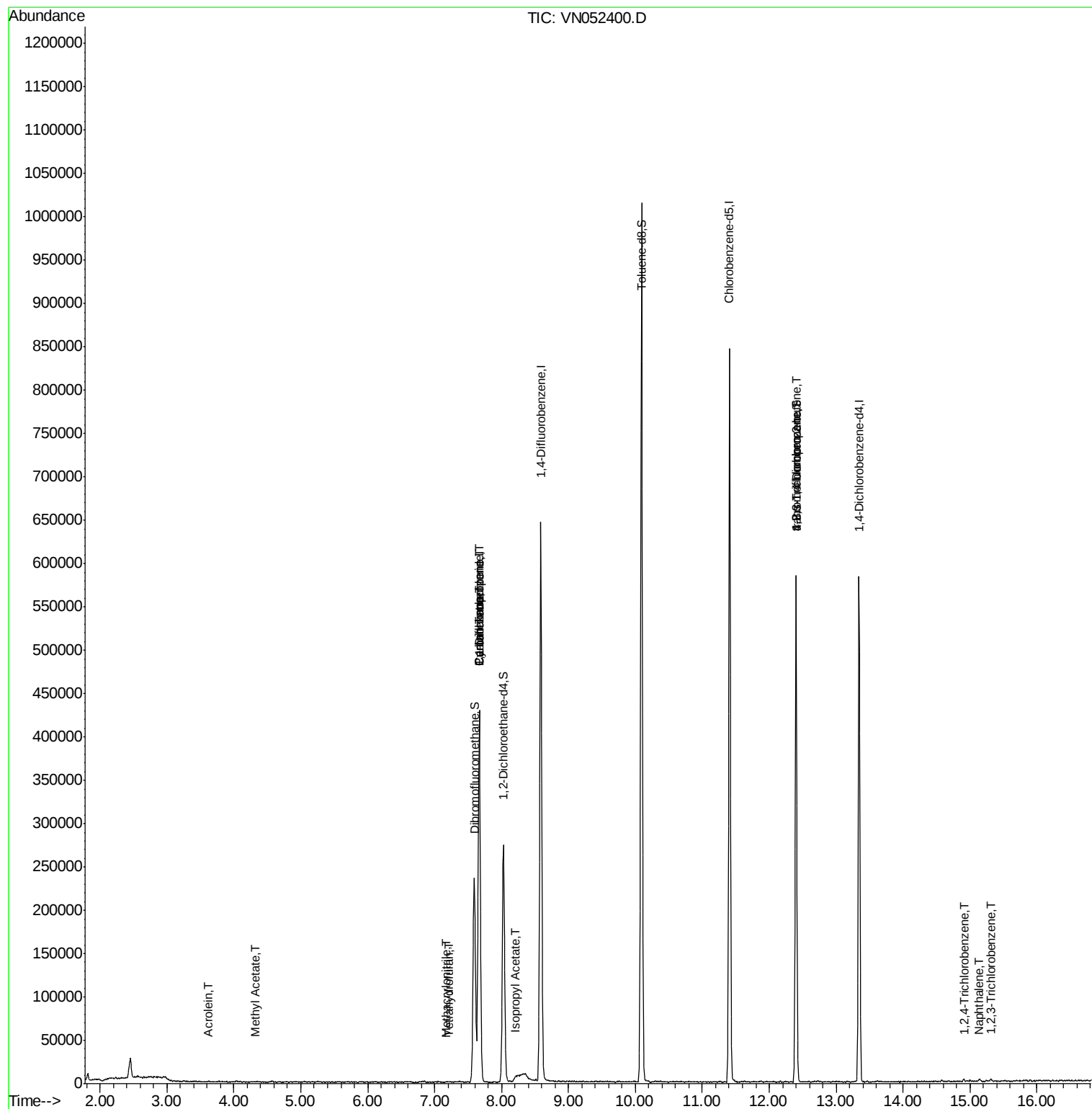
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	235	22.38	ug/l	# 62
18) Methyl Acetate	4.33	43	165	0.48	ug/l	# 96
20) Methylene Chloride	4.54	84	236	Below Cal		# 14
29) Tetrahydrofuran	7.21	42	333	0.30	ug/l	# 40
31) Cyclohexane	7.66	56	10211	0.48	ug/l	# 31
36) 1,1-Dichloropropene	7.66	75	30074	5.77	ug/l	# 51
38) Carbon Tetrachloride	7.67	117	34072	7.11	ug/l	# 17
41) Methacrylonitrile	7.18	41	91	3.74	ug/l	# 100
43) Isopropyl Acetate	8.19	43	2251	0.31	ug/l	# 67
76) 1,2,3-Trichloropropane	12.40	75	106648	46.82	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	106648	151.87	ug/l	# 5
93) 1,2,4-Trichlorobenzene	14.91	180	659	2.57	ug/l	# 92
95) Naphthalene	15.14	128	2328	3.07	ug/l	# 80
96) 1,2,3-Trichlorobenzene	15.31	180	720	0.44	ug/l	# 81

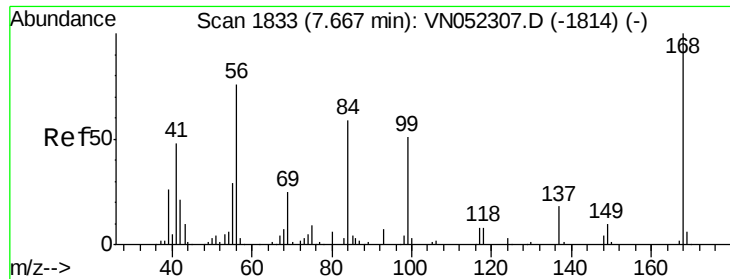
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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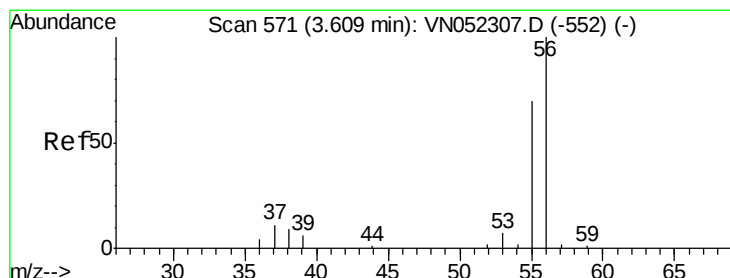
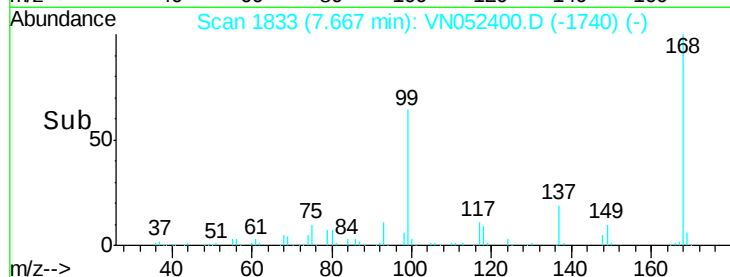
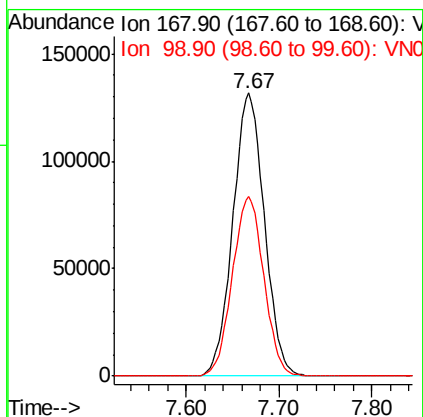
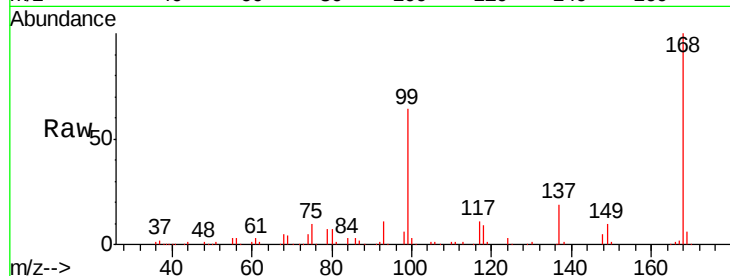




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VN052400.D
Acq: 20 Nov 2018 11:51

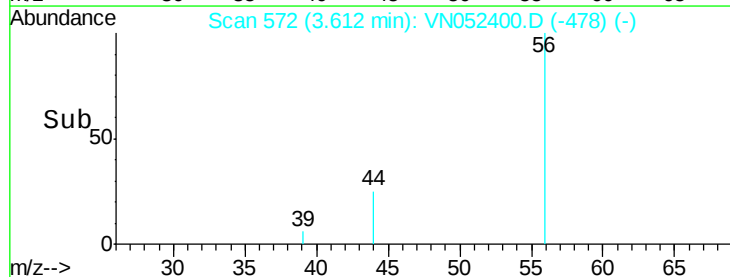
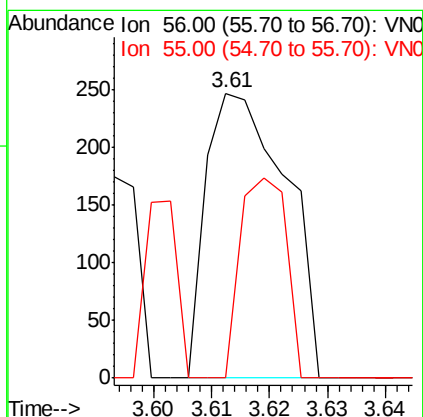
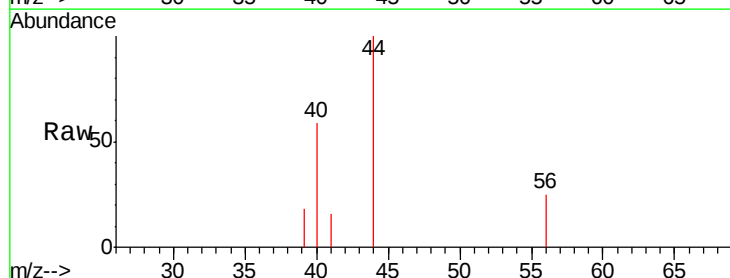
Instrument :
MSVOA_N
ClientSampled :
VN1120WBL01

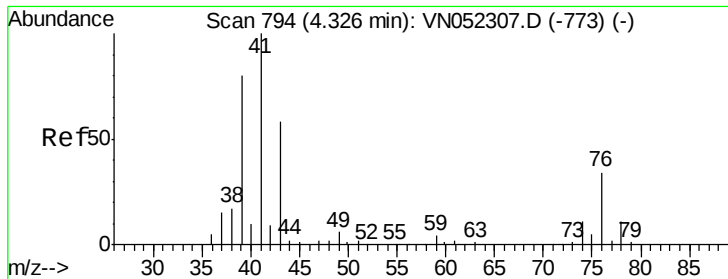
Tgt Ion: 168 Resp: 310856
Ion Ratio Lower Upper
168 100
99 63.7 47.9 71.9



#13
Acrolein
Concen: 22.38 ug/l
RT: 3.61 min Scan# 572
Delta R.T. 0.00 min
Lab File: VN052400.D
Acq: 20 Nov 2018 11:51

Tgt Ion: 56 Resp: 235
Ion Ratio Lower Upper
56 100
55 40.4 57.6 86.4#

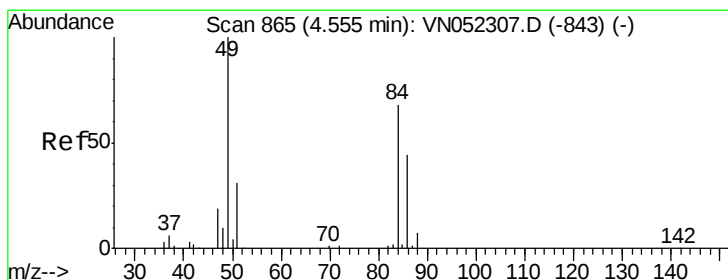
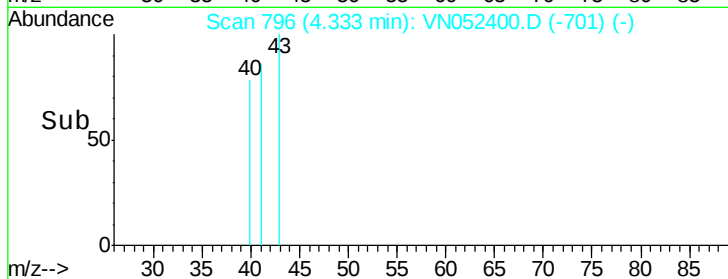
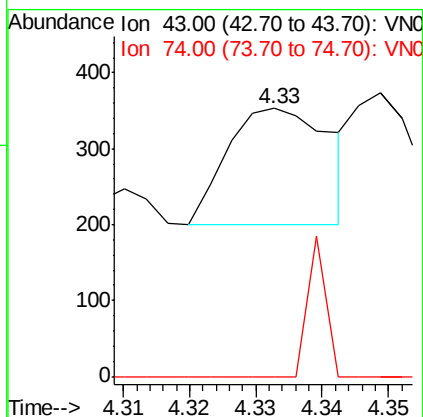
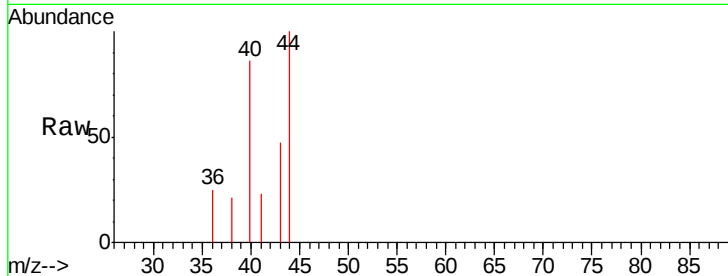




#18
Methyl Acetate
Concen: 0.48 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN052400.D
Acq: 20 Nov 2018 11:51

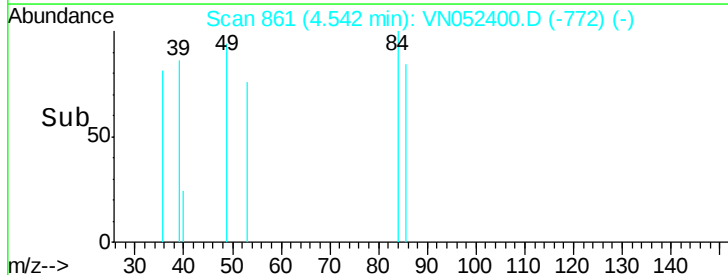
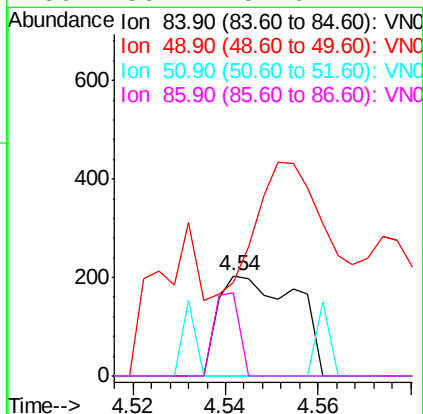
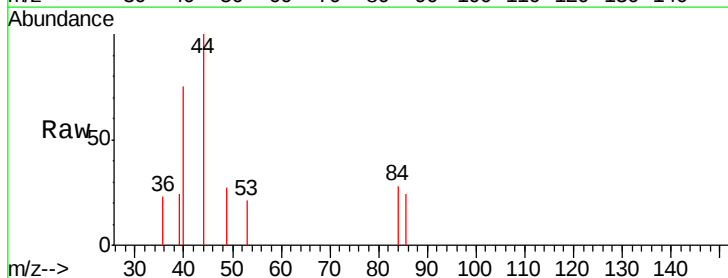
Instrument :
MSVOA_N
ClientSampled :
VN1120WBL01

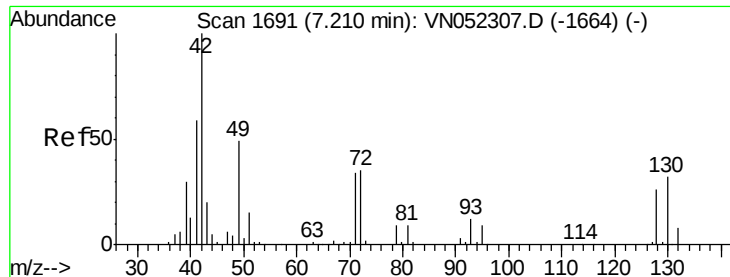
Tgt Ion: 43 Resp: 165
Ion Ratio Lower Upper
43 100
74 21.8 15.9 23.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.54 min Scan# 861
Delta R.T. -0.01 min
Lab File: VN052400.D
Acq: 20 Nov 2018 11:51

Tgt Ion: 84 Resp: 236
Ion Ratio Lower Upper
84 100
49 0.0 118.2 177.2#
51 0.0 36.1 54.1#
86 83.7 51.6 77.4#





#29

Tetrahydrofuran

Concen: 0.30 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. -0.00 min

Lab File: VN052400.D

Acq: 20 Nov 2018 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN1120WBL01

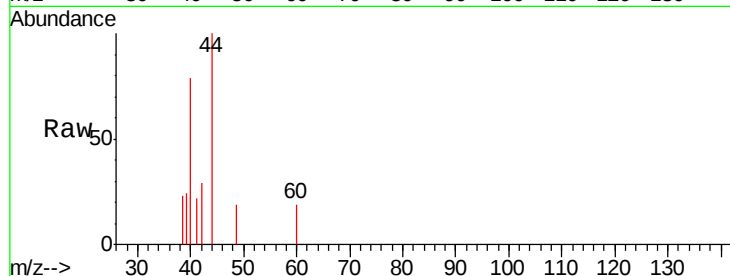
Tgt Ion: 42 Resp: 333

Ion Ratio Lower Upper

42 100

72 0.0 28.6 42.8#

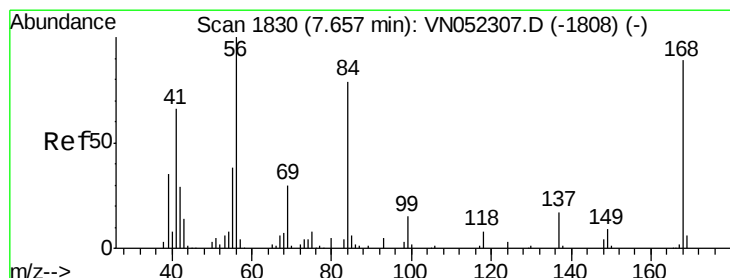
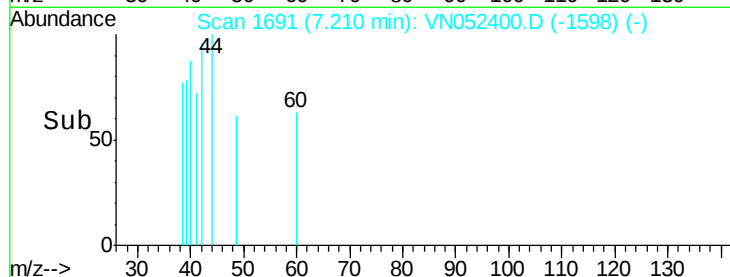
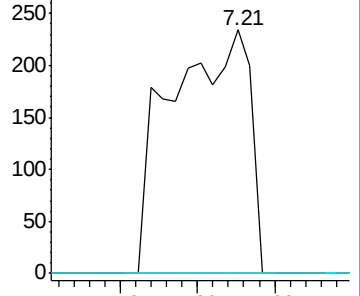
71 0.0 26.7 40.1#



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: 0.48 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN052400.D

Acq: 20 Nov 2018 11:51

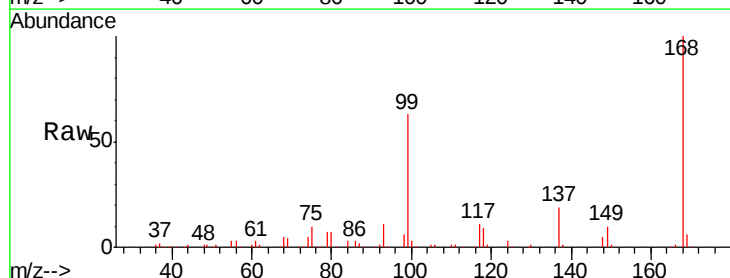
Tgt Ion: 56 Resp: 10211

Ion Ratio Lower Upper

56 100

69 135.1 23.8 35.8#

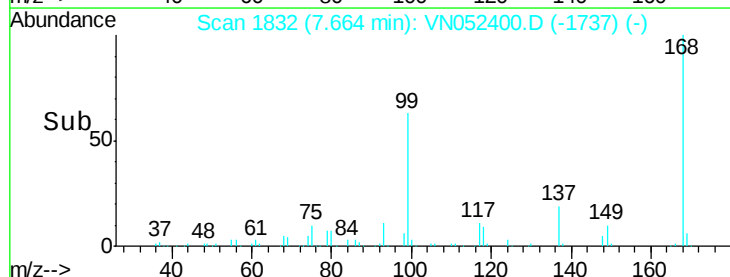
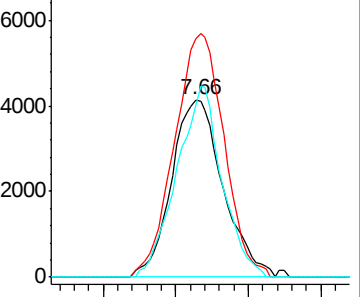
84 97.3 63.0 94.6#

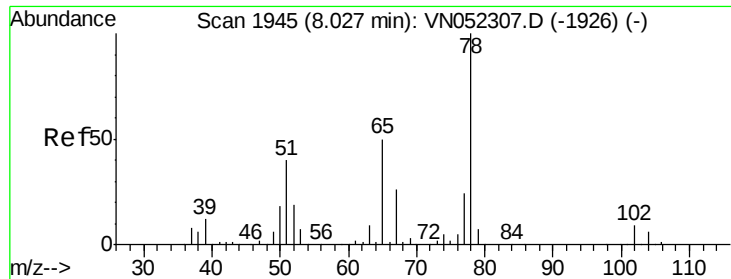


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052400.D

Acq: 20 Nov 2018 11:51

Instrument :

MSVOA_N

ClientSampled :

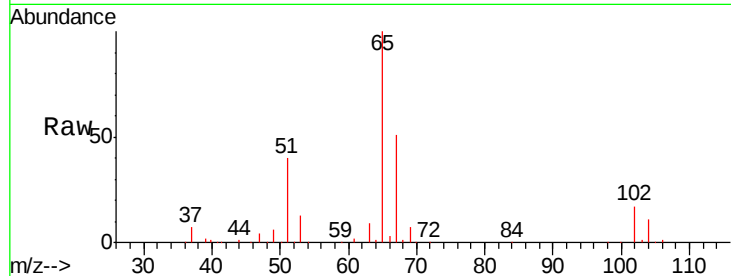
VN1120WBL01

Tgt Ion: 65 Resp: 230113

Ion Ratio Lower Upper

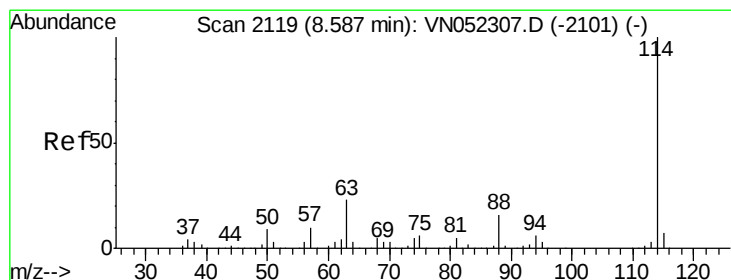
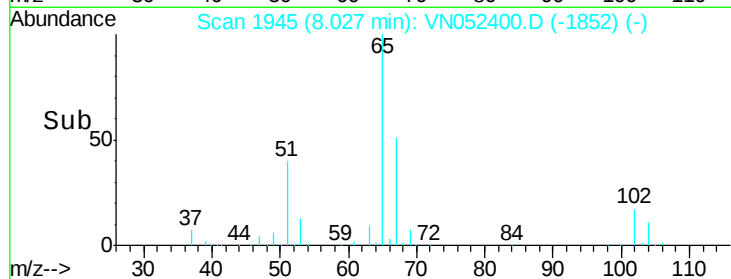
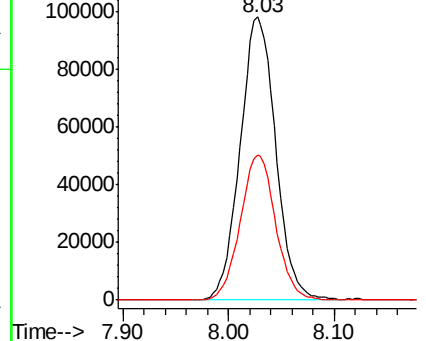
65 100

67 51.1 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN052400.D

Acq: 20 Nov 2018 11:51

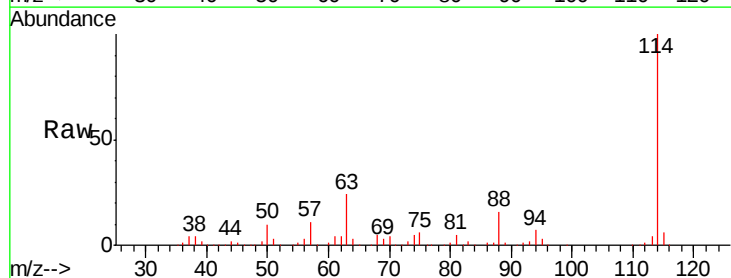
Tgt Ion: 114 Resp: 520250

Ion Ratio Lower Upper

114 100

63 23.6 0.0 45.4

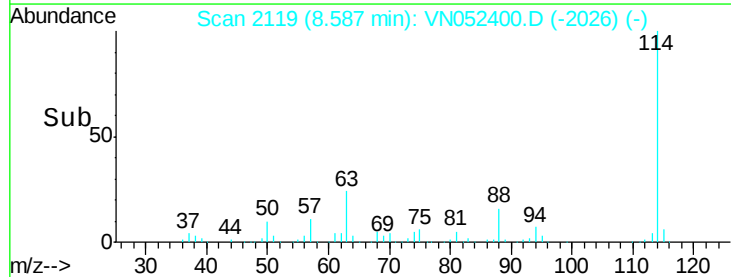
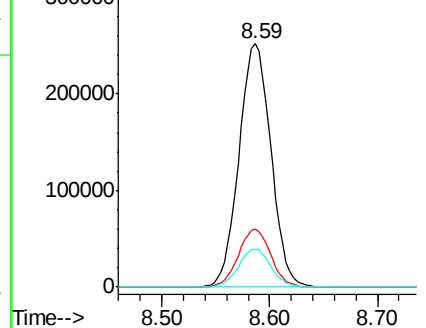
88 15.6 0.0 31.2

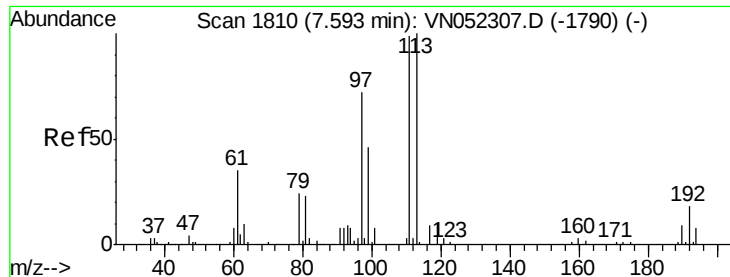


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

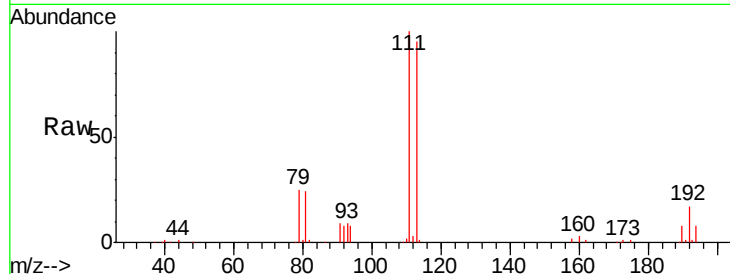




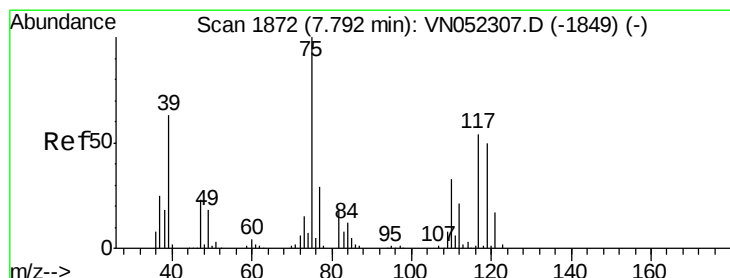
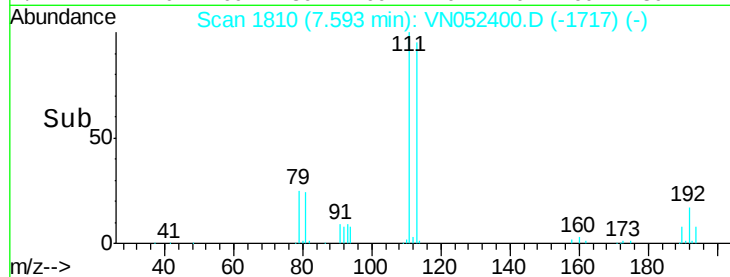
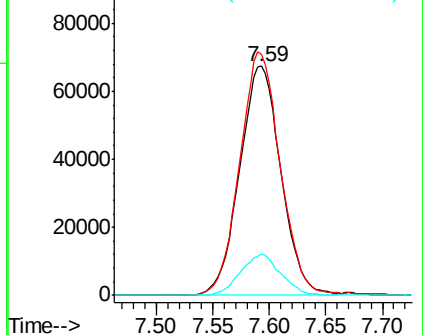
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052400.D
 Acq: 20 Nov 2018 11:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1120WBL01

Tgt Ion: 113 Resp: 170841
 Ion Ratio Lower Upper
 113 100
 111 105.0 81.0 121.6
 192 17.4 13.8 20.6

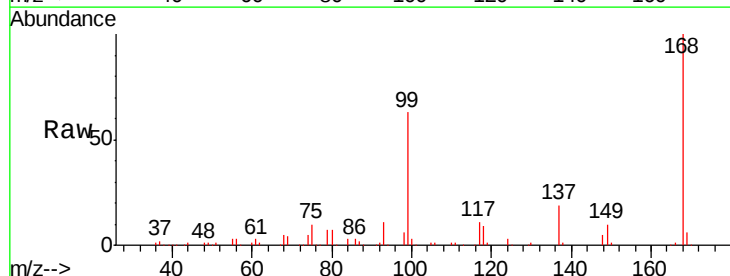


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

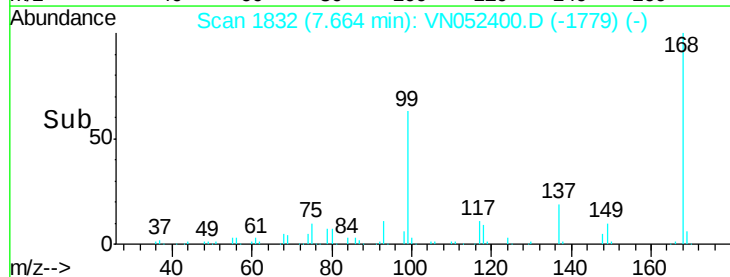
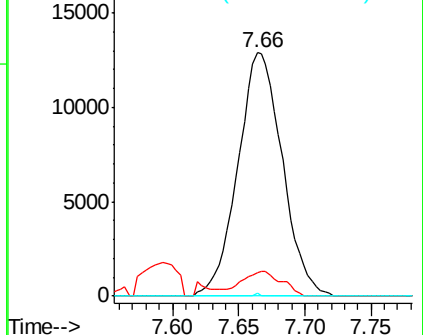


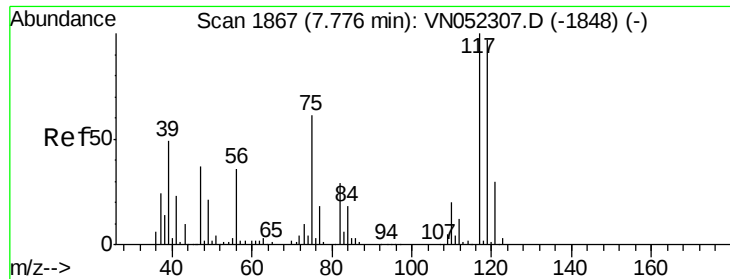
#36
 1,1-Dichloropropene
 Concen: 5.77 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN052400.D
 Acq: 20 Nov 2018 11:51

Tgt Ion: 75 Resp: 30074
 Ion Ratio Lower Upper
 75 100
 110 9.0 16.5 49.5#
 77 0.1 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 7.11 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052400.D

Acq: 20 Nov 2018 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN1120WBL01

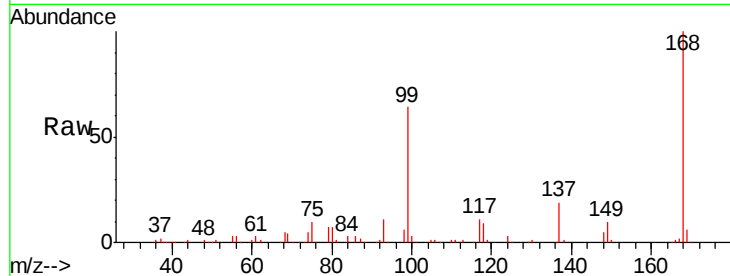
Tgt Ion: 117 Resp: 34072

Ion Ratio Lower Upper

117 100

119 6.3 77.4 116.0#

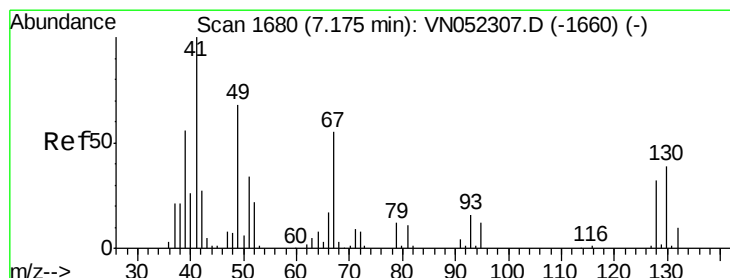
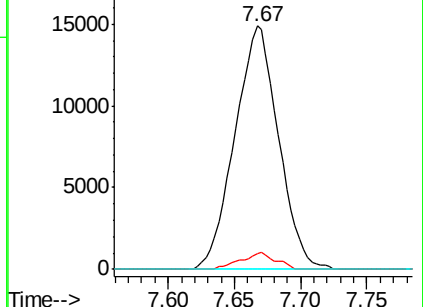
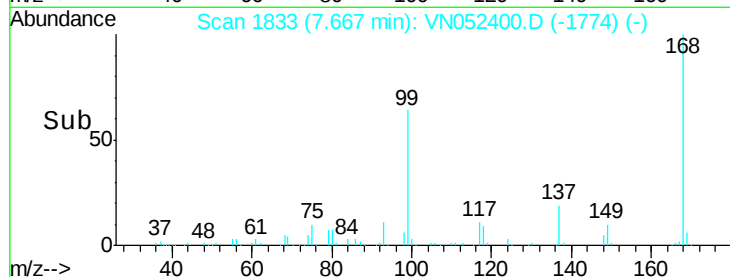
121 0.0 24.0 36.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 3.74 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN052400.D

Acq: 20 Nov 2018 11:51

Tgt Ion: 41 Resp: 91

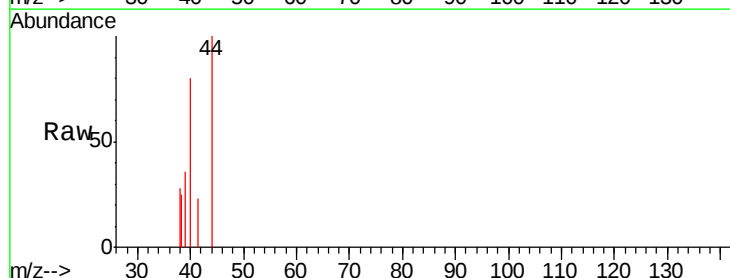
Ion Ratio Lower Upper

41 100

39 433.0 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

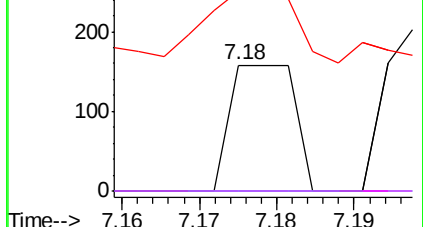
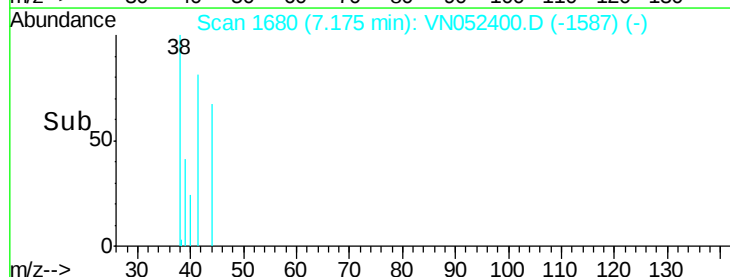


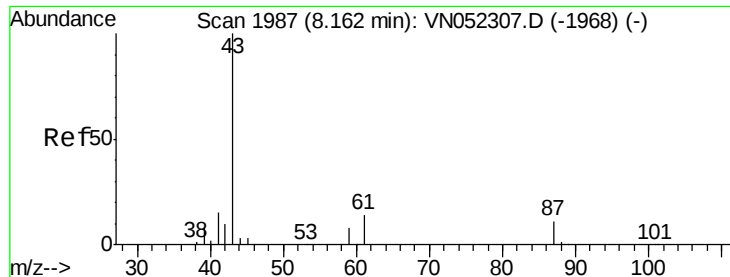
Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC





#43

Isopropyl Acetate

Concen: 0.31 ug/l

RT: 8.19 min Scan# 1995

Delta R.T. 0.03 min

Lab File: VN052400.D

Acq: 20 Nov 2018 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN1120WBL01

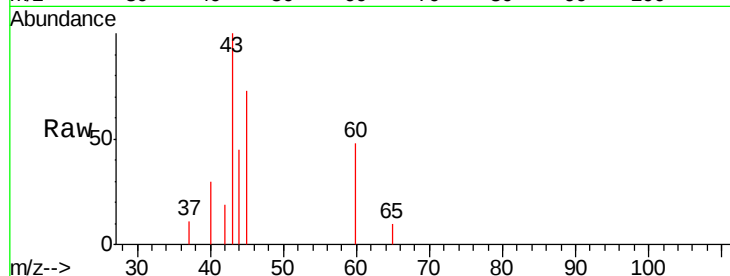
Tgt Ion: 43 Resp: 2251

Ion Ratio Lower Upper

43 100

61 0.0 12.0 18.0#

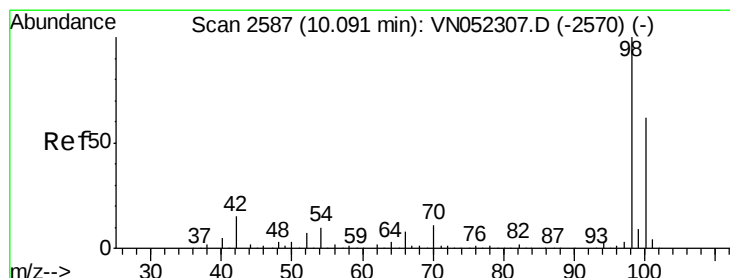
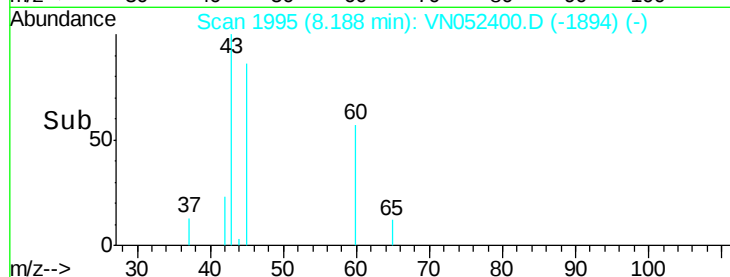
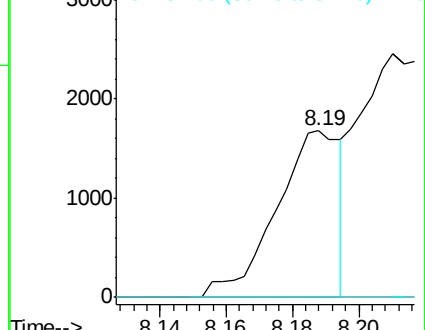
87 0.0 8.3 12.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052400.D

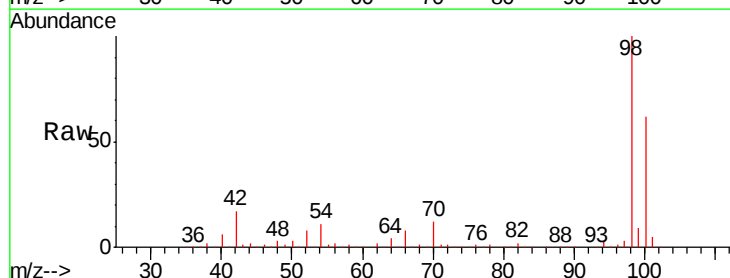
Acq: 20 Nov 2018 11:51

Tgt Ion: 98 Resp: 647474

Ion Ratio Lower Upper

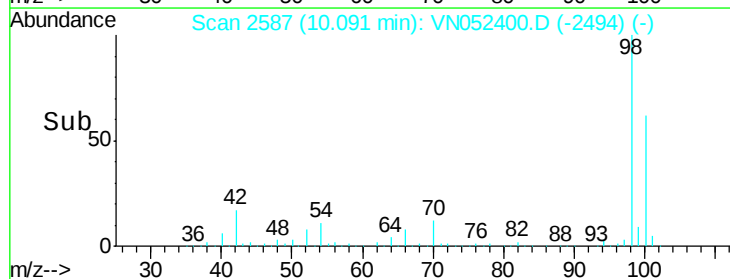
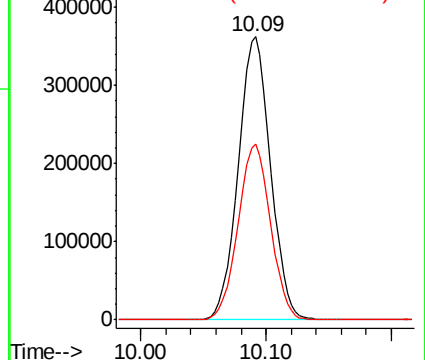
98 100

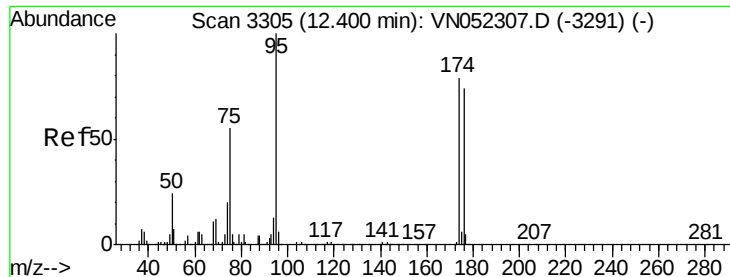
100 62.5 49.5 74.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052400.D

Acq: 20 Nov 2018 11:51

Instrument :

MSVOA_N

ClientSampled :

VN1120WBL01

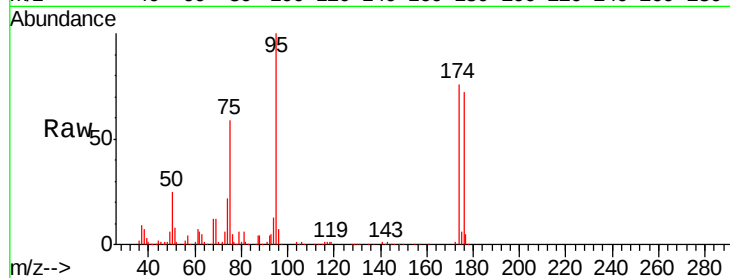
Tgt Ion: 95 Resp: 182101

Ion Ratio Lower Upper

95 100

174 75.5 0.0 156.0

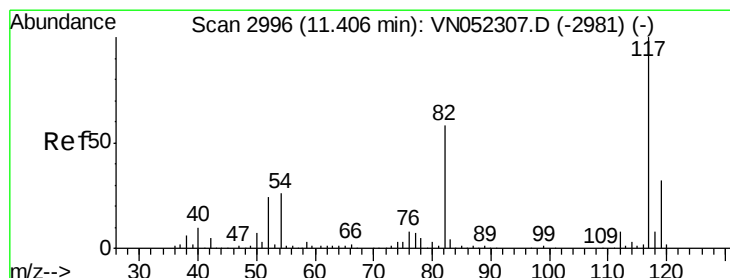
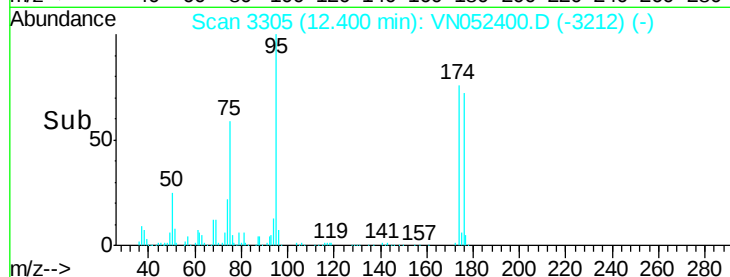
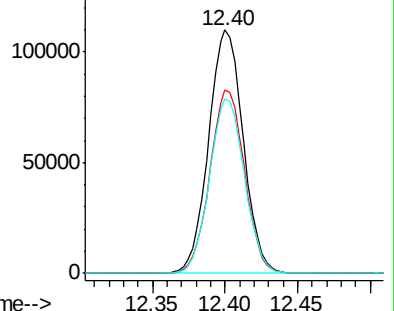
176 72.5 0.0 148.4



Abundance Ion 94.90 (94.60 to 95.60): VN052400.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN052400.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN052400.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052400.D

Acq: 20 Nov 2018 11:51

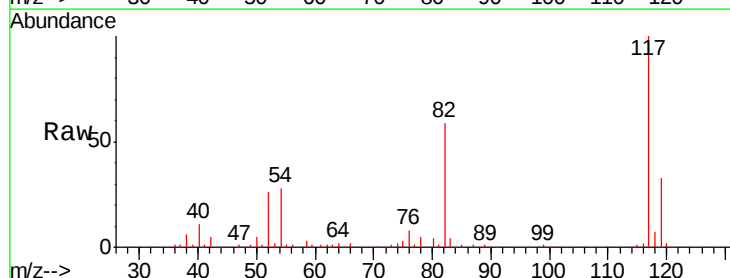
Tgt Ion: 117 Resp: 424174

Ion Ratio Lower Upper

117 100

82 59.1 46.5 69.7

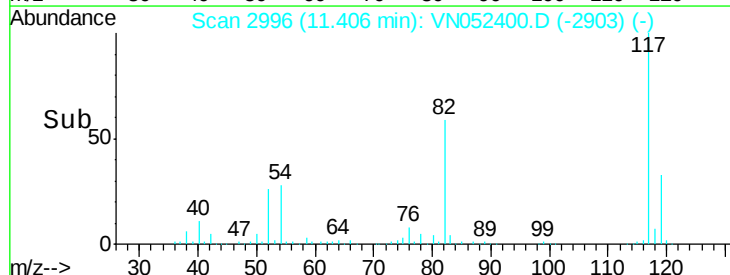
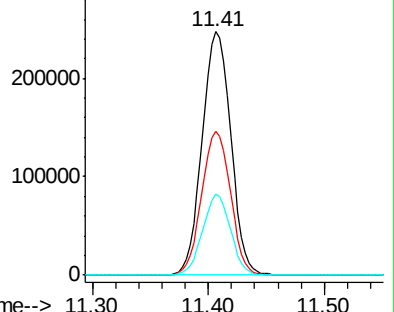
119 33.1 25.7 38.5

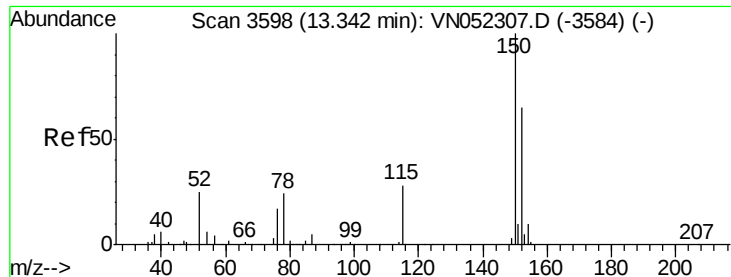


Abundance Ion 116.90 (116.60 to 117.60): VN052400.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN052400.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN052400.D (-2903) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052400.D

Acq: 20 Nov 2018 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN1120WBL01

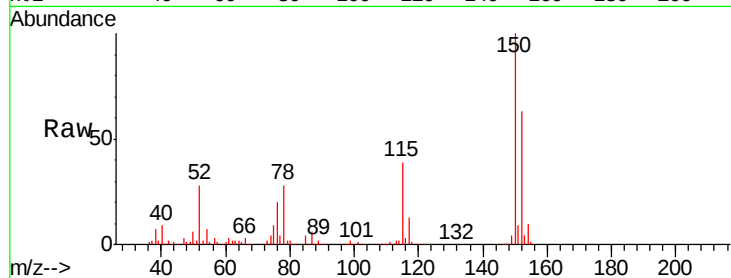
Tgt Ion:152 Resp: 134230

Ion Ratio Lower Upper

152 100

115 61.7 30.3 91.0

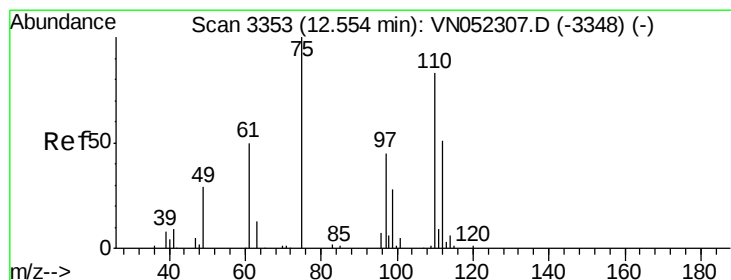
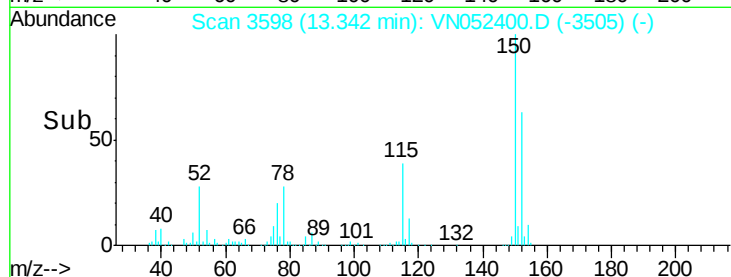
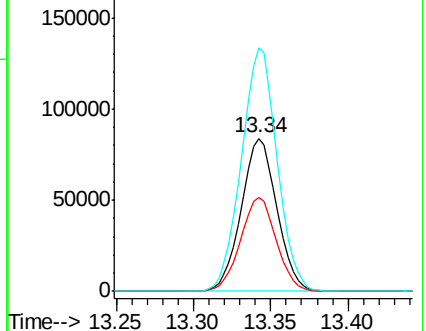
150 160.6 0.0 348.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 46.82 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052400.D

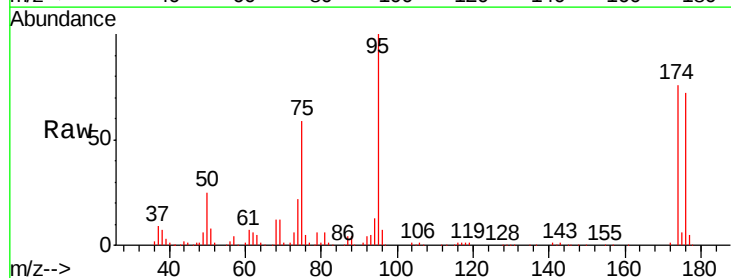
Acq: 20 Nov 2018 11:51

Tgt Ion: 75 Resp: 106648

Ion Ratio Lower Upper

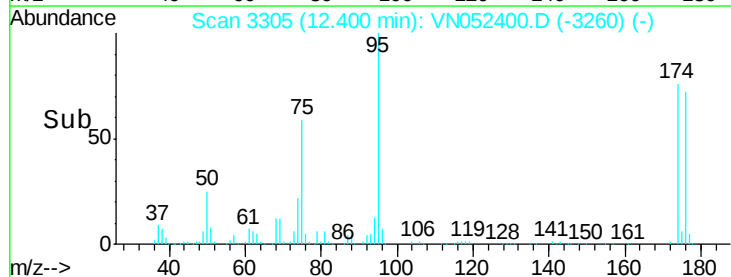
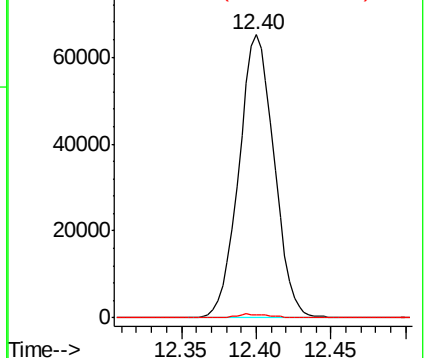
75 100

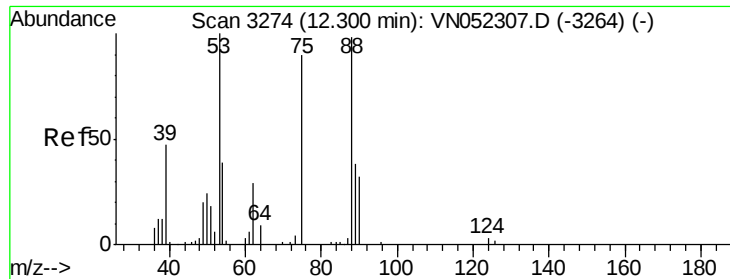
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 151.87 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052400.D

Acq: 20 Nov 2018 11:51

Instrument :

MSVOA_N

ClientSampleId :

VN1120WBL01

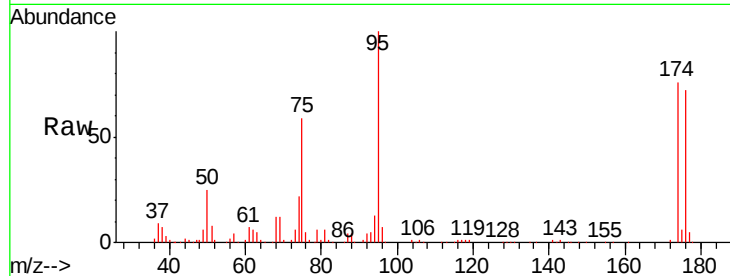
Tgt Ion: 75 Resp: 106648

Ion Ratio Lower Upper

75 100

53 0.0 90.2 135.2#

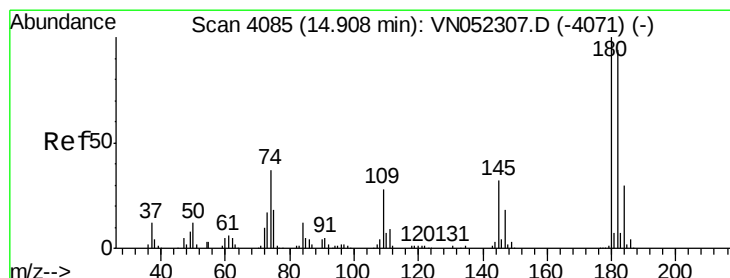
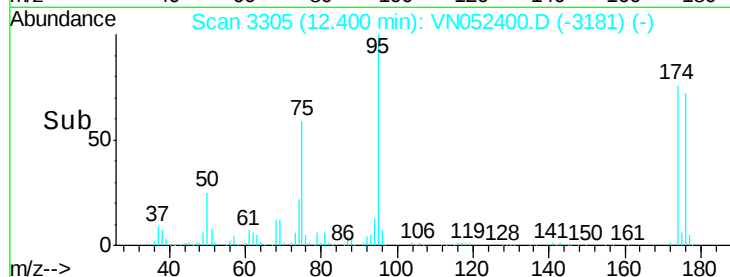
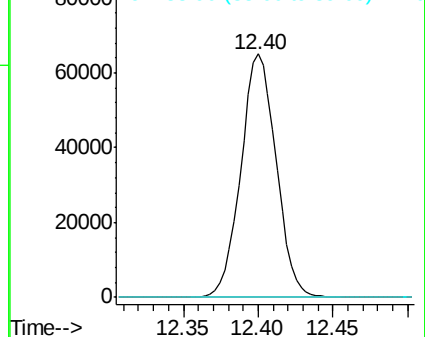
89 0.2 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VN052400.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN052400.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN052400.D (-3181) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.57 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN052400.D

Acq: 20 Nov 2018 11:51

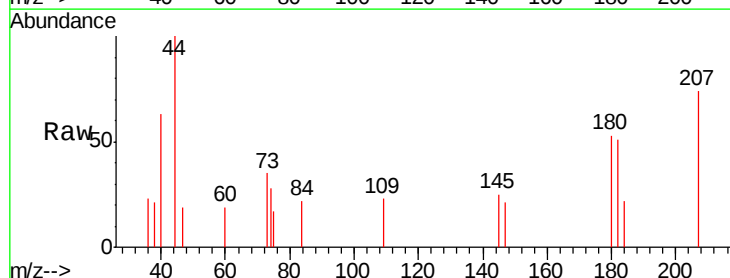
Tgt Ion: 180 Resp: 659

Ion Ratio Lower Upper

180 100

182 86.2 47.6 142.9

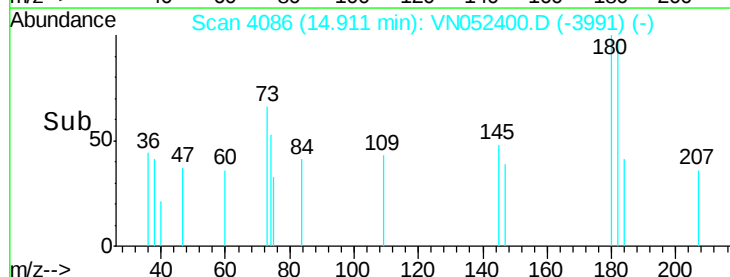
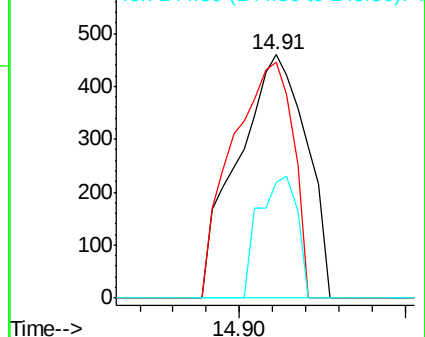
145 27.9 15.5 46.5

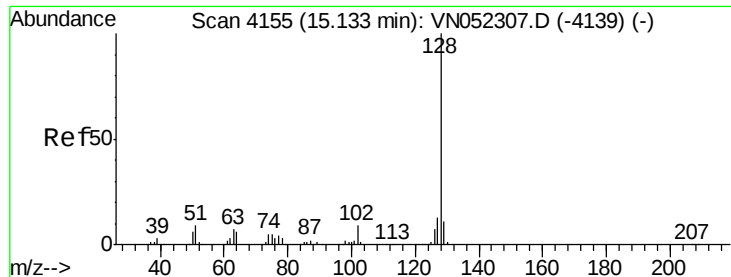


Abundance Ion 179.80 (179.50 to 180.50): VN052400.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN052400.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN052400.D (-3991) (-)

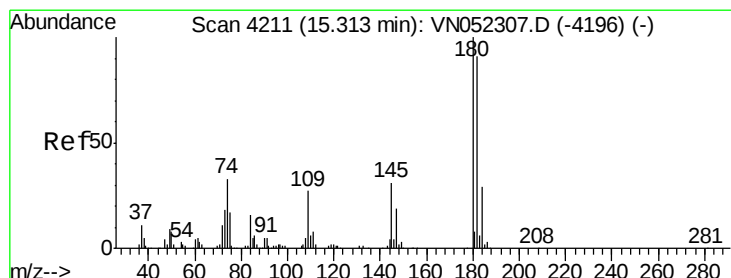
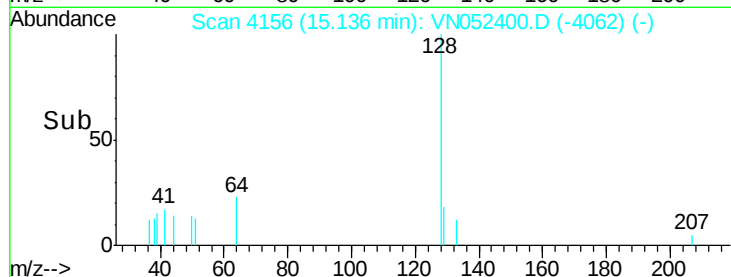
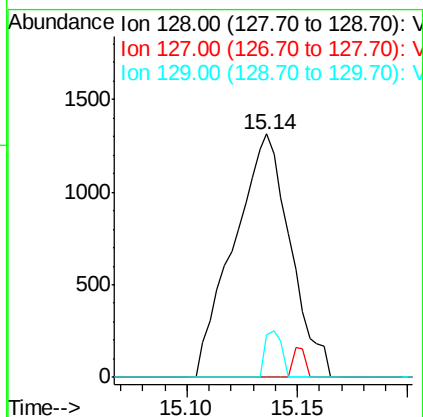
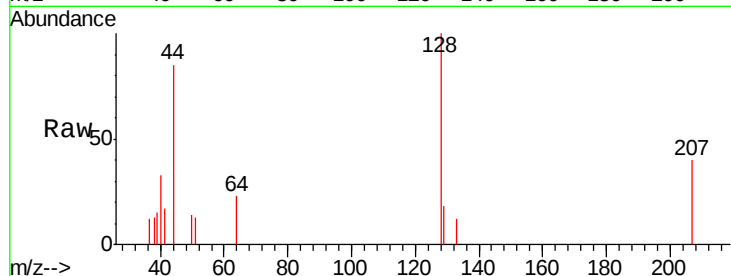




#95
Naphthalene
Concen: 3.07 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN052400.D
Acq: 20 Nov 2018 11:51

Instrument :
MSVOA_N
ClientSampleId :
VN1120WBL01

Tgt Ion:128 Resp: 2328
Ion Ratio Lower Upper
128 100
127 2.6 10.4 15.6#
129 5.6 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.44 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN052400.D
Acq: 20 Nov 2018 11:51

Tgt Ion:180 Resp: 720
Ion Ratio Lower Upper
180 100
182 105.3 46.5 139.3
145 12.8 16.4 49.2#

