

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN103118\
 Data File : VN052067.D
 Acq On : 31 Oct 2018 12:18
 Operator : MD\SY
 Sample : VN1031WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBL01

Quant Time: Oct 31 14:09:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	287359	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	526450	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	503870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	204777	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	247766	53.73	ug/l	0.00
Spiked Amount			Recovery	=	107.46%	
35) Dibromofluoromethane	7.59	113	208170	63.21	ug/l	0.00
Spiked Amount			Recovery	=	126.42%	
50) Toluene-d8	10.09	98	811363	61.64	ug/l	0.00
Spiked Amount			Recovery	=	123.28%	
62) 4-Bromofluorobenzene	12.40	95	276427	57.20	ug/l	0.00
Spiked Amount			Recovery	=	114.40%	

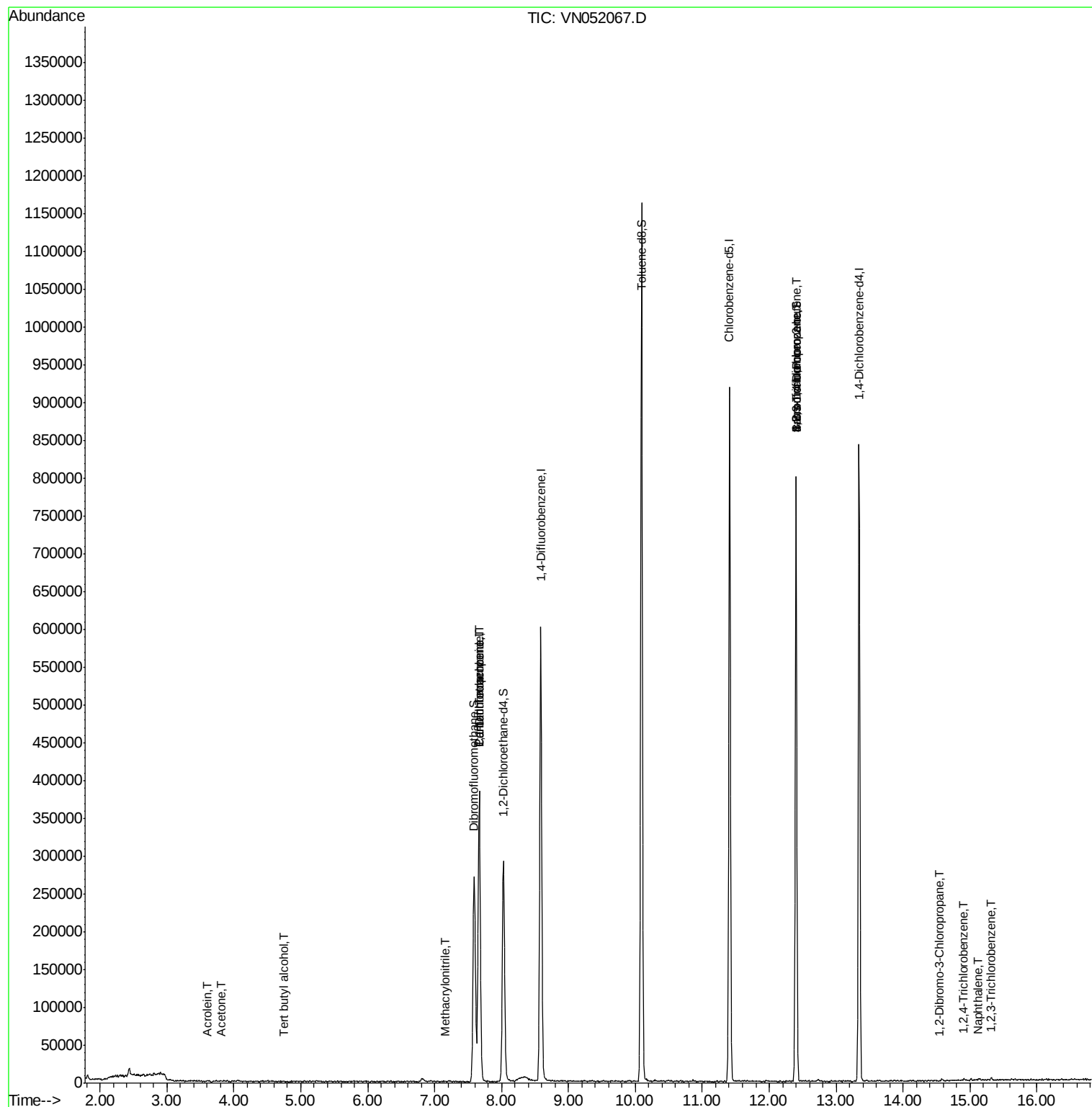
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.76	59	64	0.28	ug/l #	76
13) Acrolein	3.61	56	58	24.26	ug/l #	1
16) Acetone	3.81	43	209	0.21	ug/l #	44
31) Cyclohexane	7.66	56	7655	Below Cal	#	21
36) 1,1-Dichloropropene	7.67	75	28082	5.25	ug/l #	46
38) Carbon Tetrachloride	7.67	117	31971	6.93	ug/l #	17
41) Methacrylonitrile	7.15	41	372	0.34	ug/l #	28
71) Bromoform	12.40	173	3088	3.56	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	148106	39.51	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	148106	131.14	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.55	75	70	1.03	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.90	180	538	0.23	ug/l #	73
95) Naphthalene	15.14	128	2077	0.35	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.31	180	1339	0.66	ug/l #	57

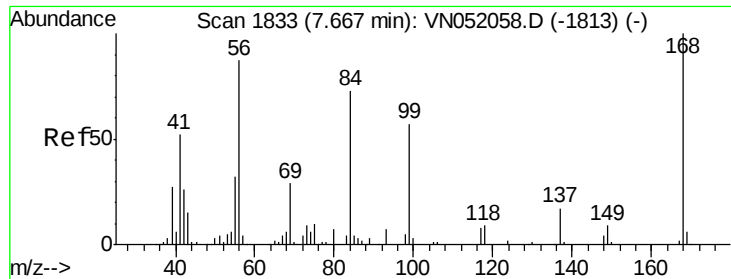
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN103118\
Data File : VN052067.D
Acq On : 31 Oct 2018 12:18
Operator : MD\SY
Sample : VN1031WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBL01

Quant Time: Oct 31 14:09:17 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 31 02:45:22 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052067.D

Acq: 31 Oct 2018 12:18

Instrument :

MSVOA_N

ClientSampled :

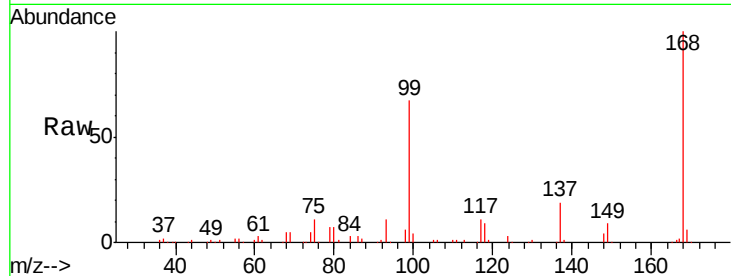
VN1031WBL01

Tgt Ion: 168 Resp: 287359

Ion Ratio Lower Upper

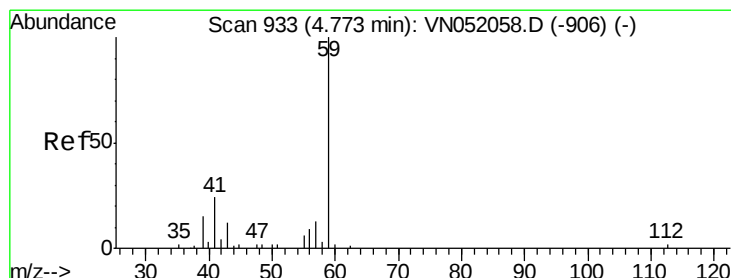
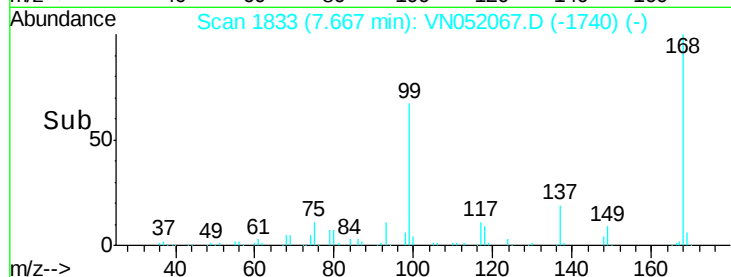
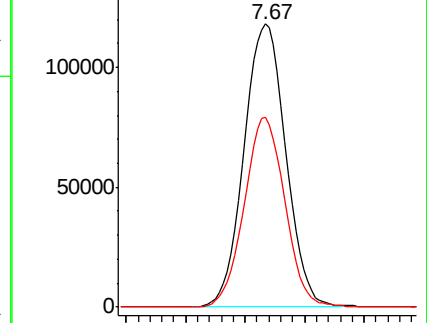
168 100

99 67.2 56.6 85.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 0.28 ug/l

RT: 4.76 min Scan# 928

Delta R.T. -0.02 min

Lab File: VN052067.D

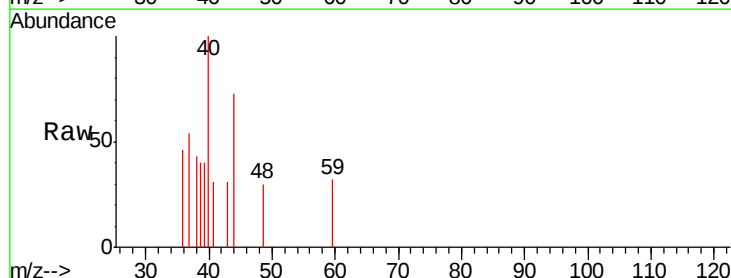
Acq: 31 Oct 2018 12:18

Tgt Ion: 59 Resp: 64

Ion Ratio Lower Upper

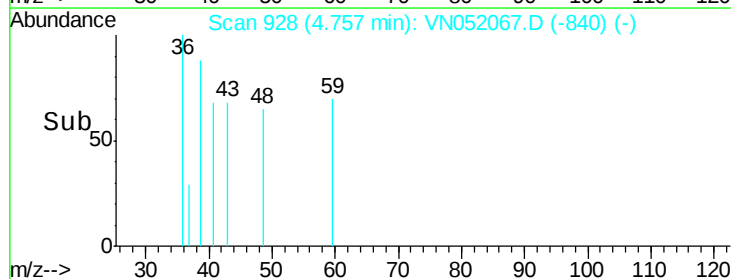
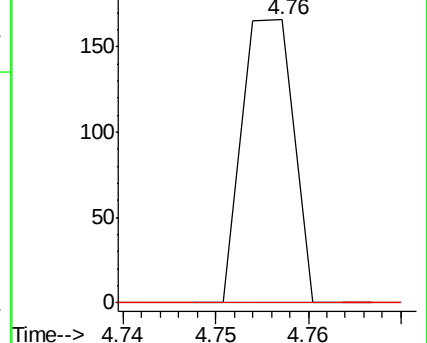
59 100

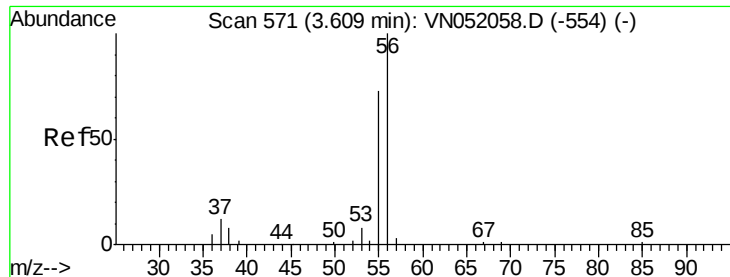
57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 24.26 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN052067.D

Acq: 31 Oct 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

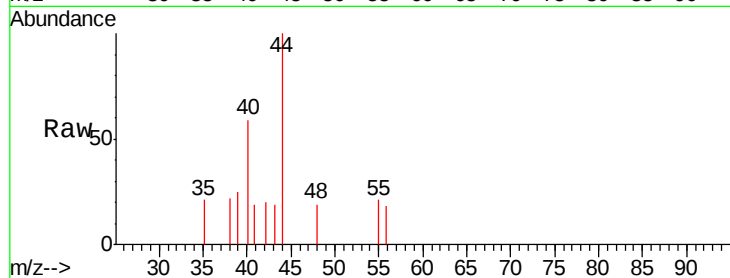
VN1031WBL01

Tgt Ion: 56 Resp: 58

Ion Ratio Lower Upper

56 100

55 181.0 59.9 89.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

200

150

100

50

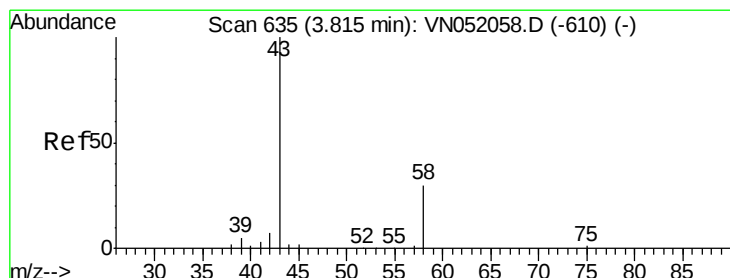
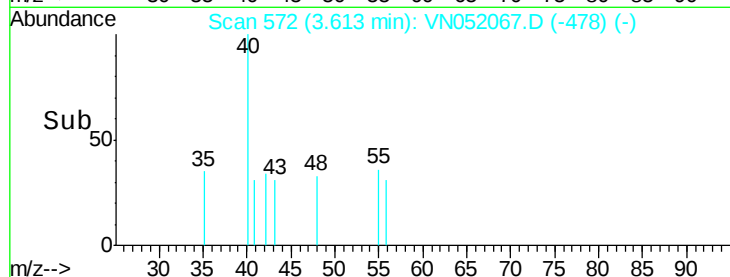
0

3.60

3.61

3.62

Time-->



#16

Acetone

Concen: 0.21 ug/l

RT: 3.81 min Scan# 632

Delta R.T. -0.01 min

Lab File: VN052067.D

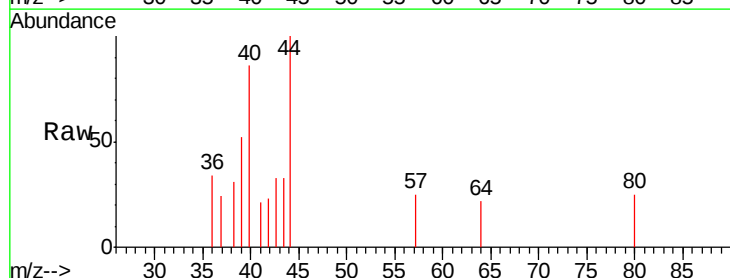
Acq: 31 Oct 2018 12:18

Tgt Ion: 43 Resp: 209

Ion Ratio Lower Upper

43 100

58 0.0 24.2 36.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

500

400

300

200

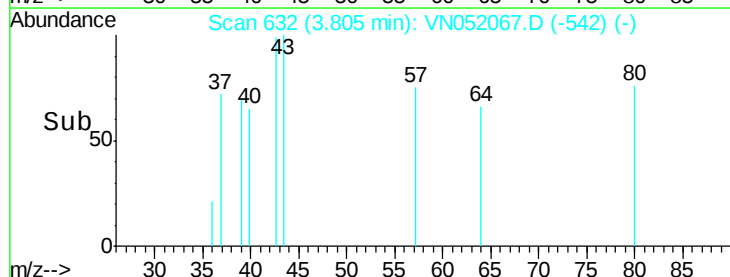
100

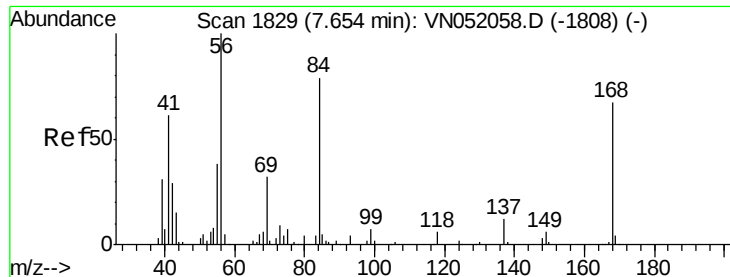
0

3.78

3.80

Time-->

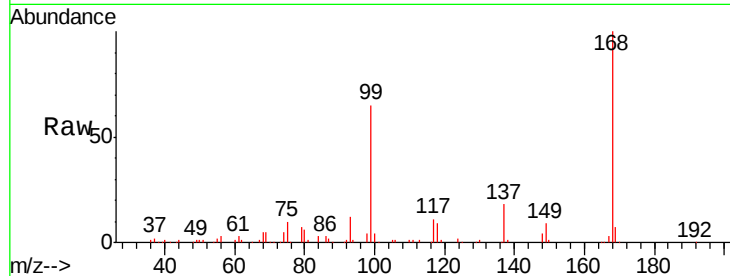




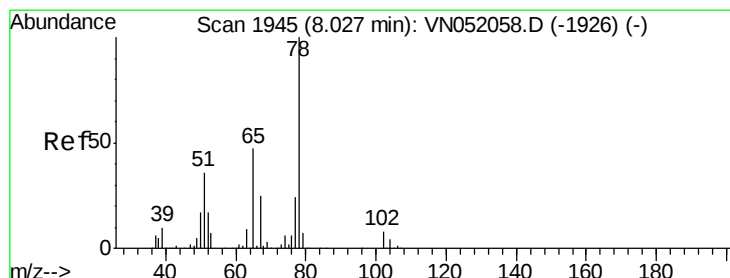
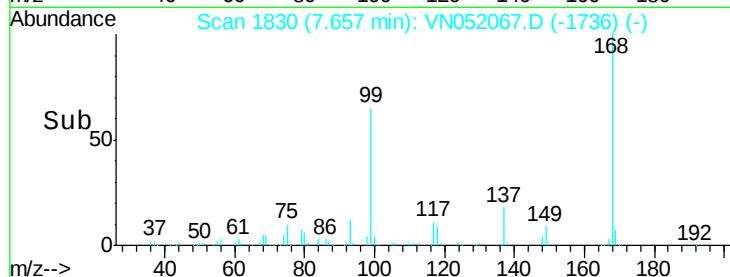
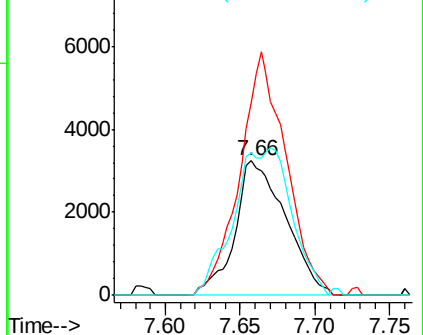
#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052067.D
Acq: 31 Oct 2018 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBL01

Tgt Ion: 56 Resp: 7655
Ion Ratio Lower Upper
56 100
69 143.1 25.8 38.6#
84 106.2 63.5 95.3#

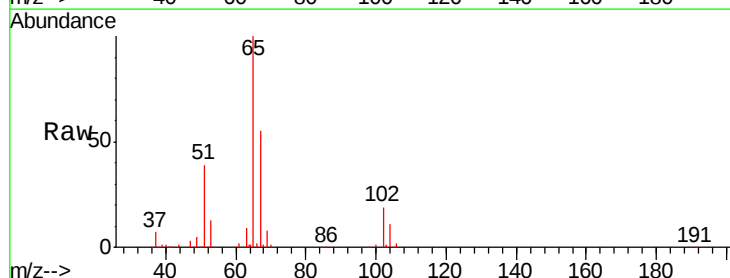


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

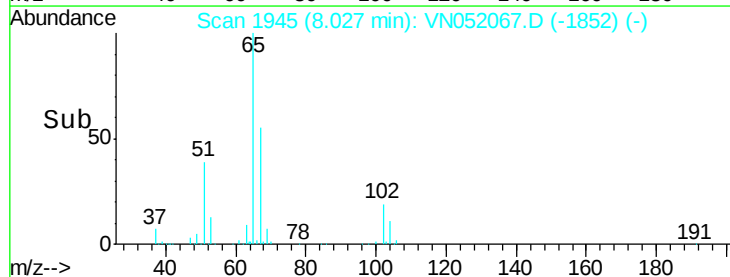
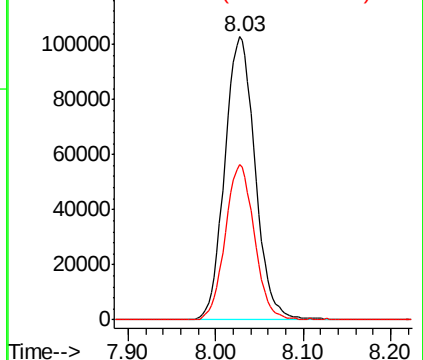


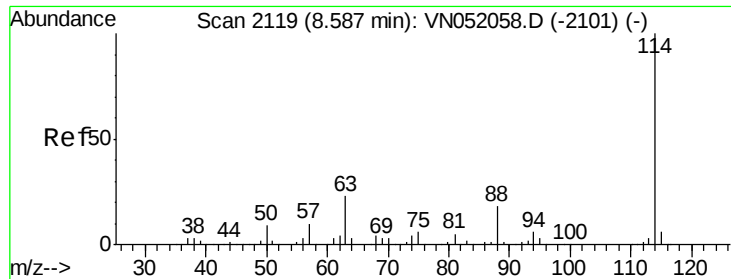
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN052067.D
Acq: 31 Oct 2018 12:18

Tgt Ion: 65 Resp: 247766
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

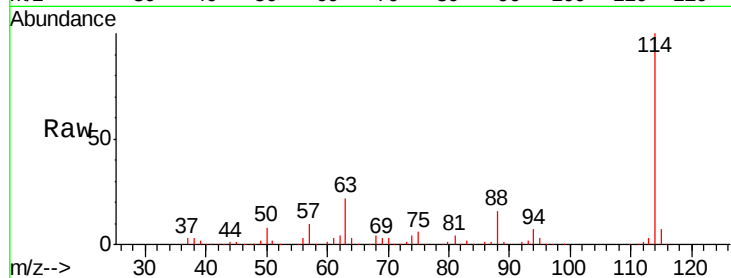




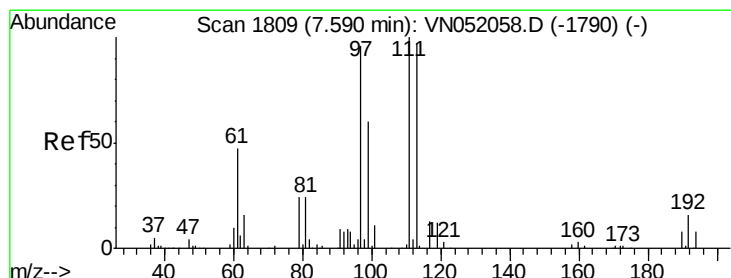
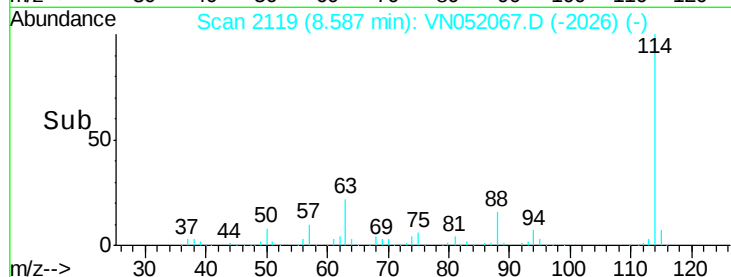
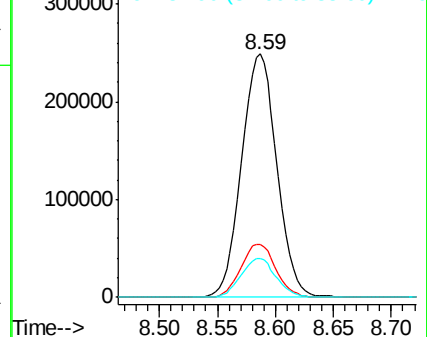
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN052067.D
Acq: 31 Oct 2018 12:18

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBL01

Tgt Ion:114 Resp: 526450
Ion Ratio Lower Upper
114 100
63 21.6 0.0 46.0
88 16.2 0.0 35.4

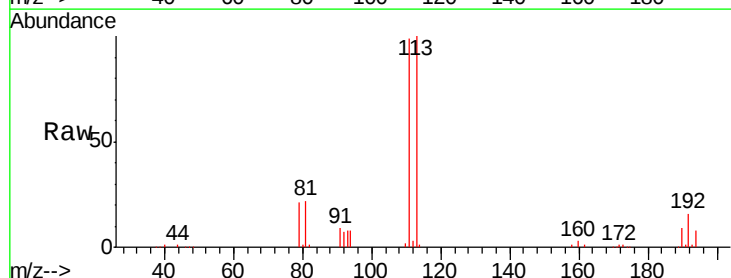


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

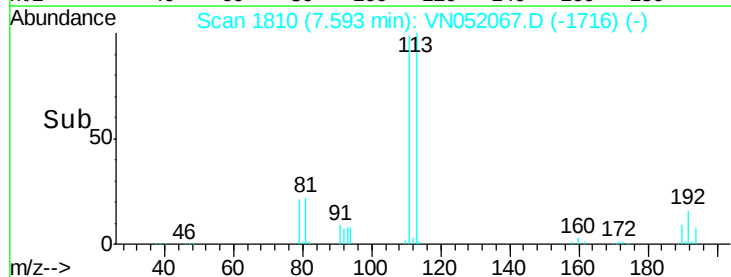
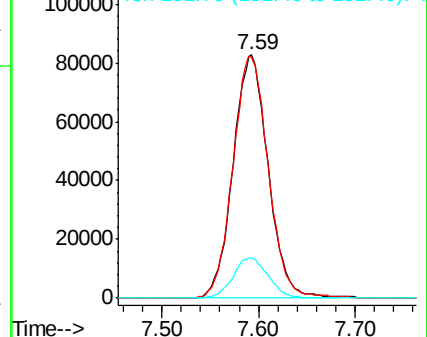


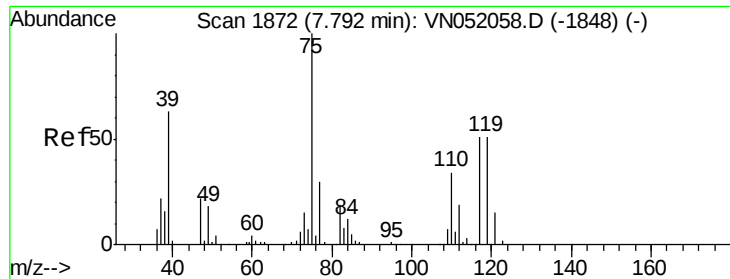
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052067.D
Acq: 31 Oct 2018 12:18

Tgt Ion:113 Resp: 208170
Ion Ratio Lower Upper
113 100
111 100.6 83.1 124.7
192 16.7 12.7 19.1



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

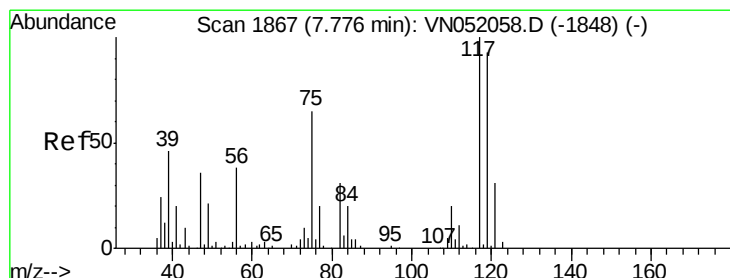
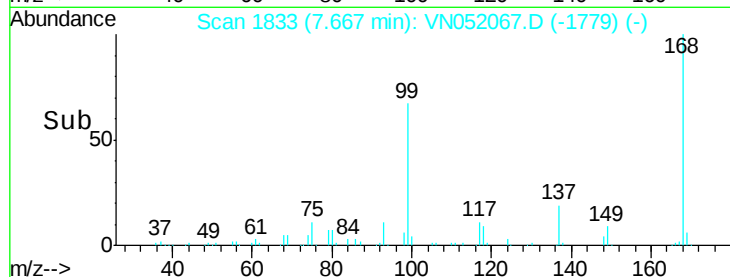
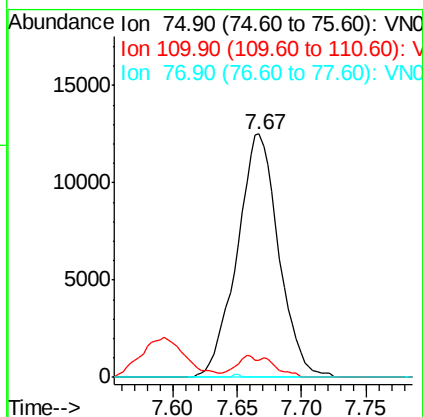
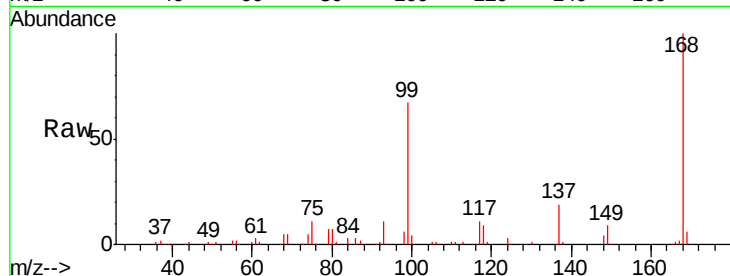




#36
 1,1-Dichloropropene
 Concen: 5.25 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052067.D
 Acq: 31 Oct 2018 12:18

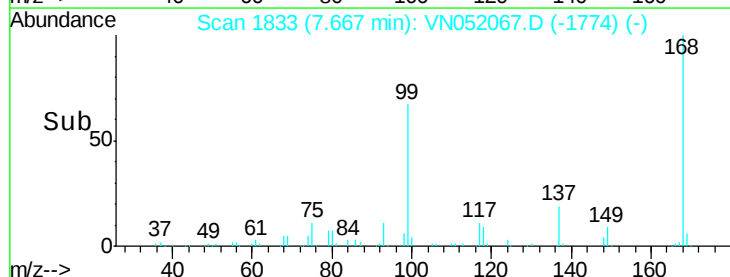
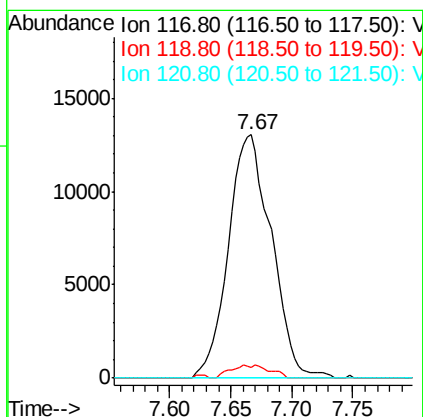
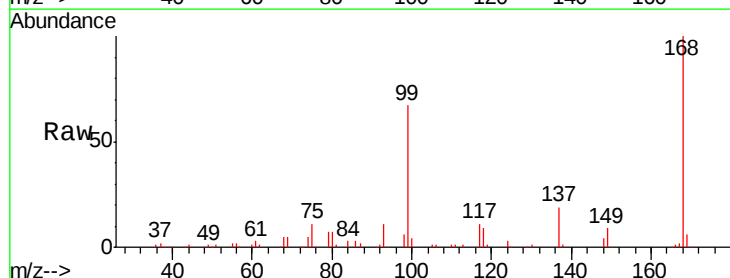
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBL01

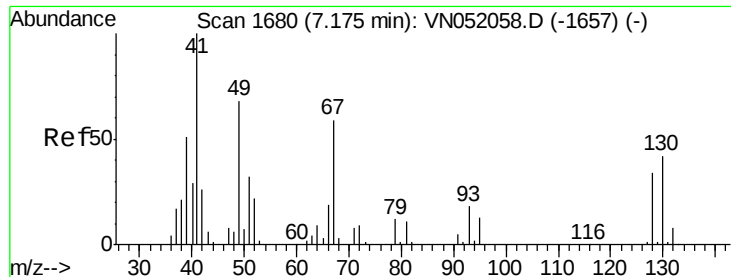
Tgt Ion: 75 Resp: 28082
 Ion Ratio Lower Upper
 75 100
 110 3.0 16.0 48.0#
 77 0.2 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 6.93 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN052067.D
 Acq: 31 Oct 2018 12:18

Tgt Ion: 117 Resp: 31971
 Ion Ratio Lower Upper
 117 100
 119 4.6 74.8 112.2#
 121 0.0 25.1 37.7#





#41

Methacrylonitrile

Concen: 0.34 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. -0.02 min

Lab File: VN052067.D

Acq: 31 Oct 2018 12:18

Instrument :

MSVOA_N

ClientSampled :

VN1031WBL01

Tgt Ion: 41 Resp: 372

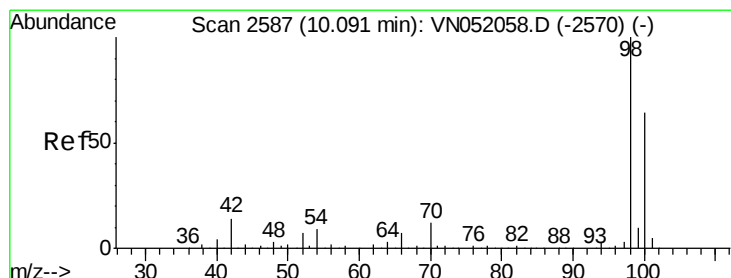
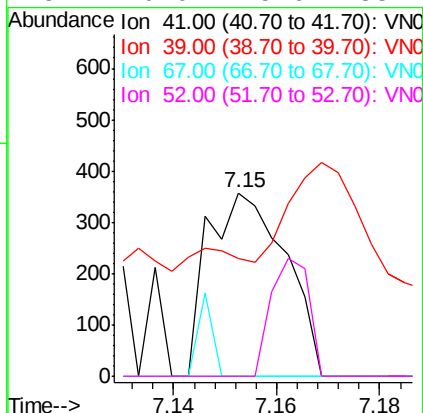
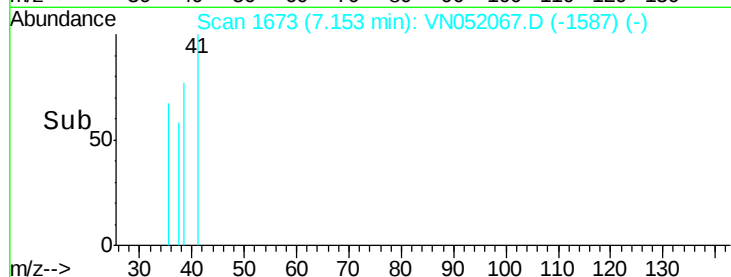
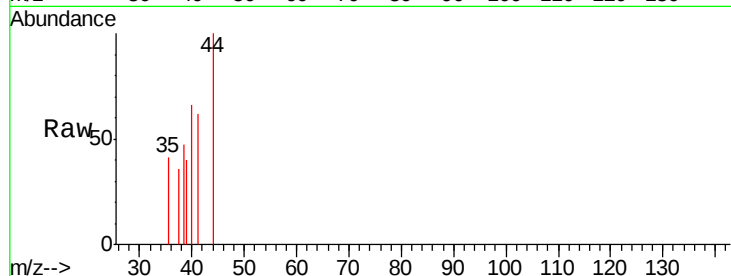
Ion Ratio Lower Upper

41 100

39 0.0 33.2 49.8#

67 8.3 63.5 95.3#

52 0.0 25.6 38.4#



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052067.D

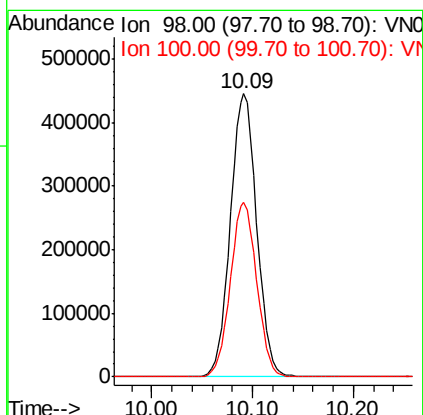
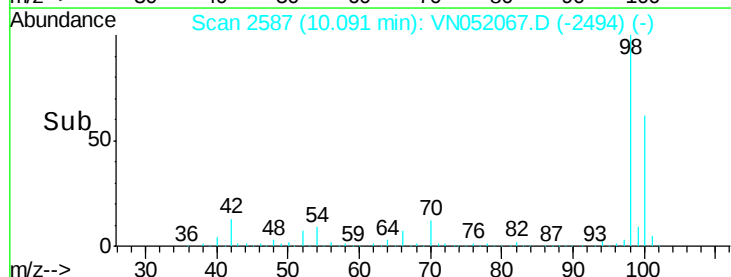
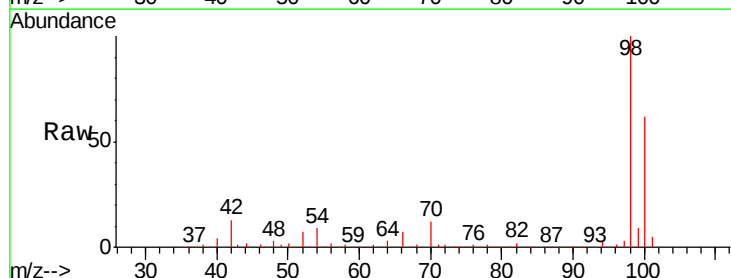
Acq: 31 Oct 2018 12:18

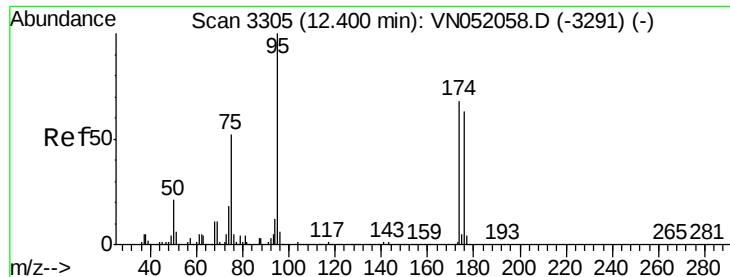
Tgt Ion: 98 Resp: 811363

Ion Ratio Lower Upper

98 100

100 61.4 51.4 77.2





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052067.D

Acq: 31 Oct 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBL01

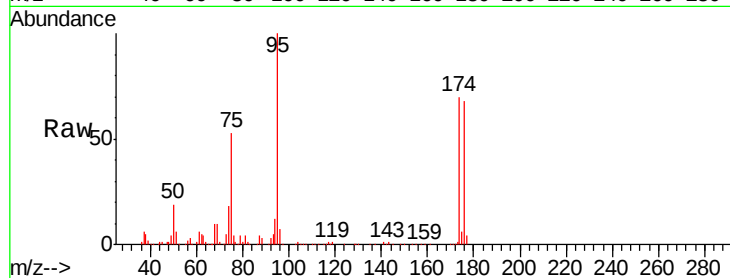
Tgt Ion: 95 Resp: 276427

Ion Ratio Lower Upper

95 100

174 70.3 0.0 131.8

176 68.7 0.0 126.0



Abundance Ion 94.90 (94.60 to 95.60): VN052058.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN052058.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN052058.D (-3291) (-)

12.40

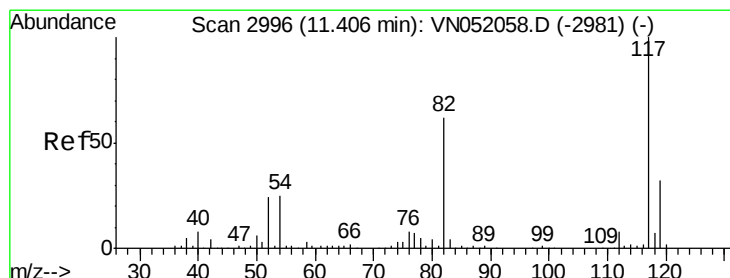
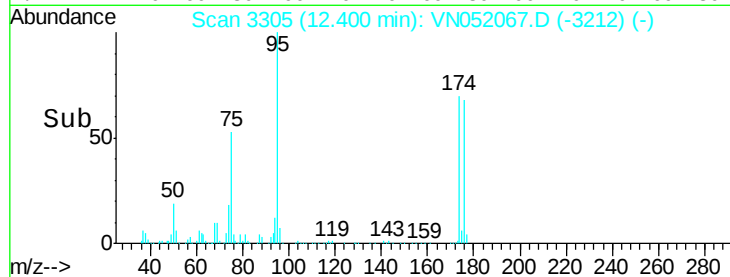
150000

100000

50000

0

Time--> 12.30 12.40



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052067.D

Acq: 31 Oct 2018 12:18

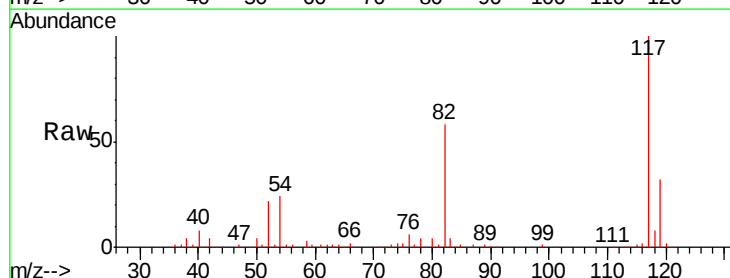
Tgt Ion: 117 Resp: 503870

Ion Ratio Lower Upper

117 100

82 58.4 49.9 74.9

119 32.1 25.7 38.5



Abundance Ion 116.90 (116.60 to 117.60): VN052058.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN052058.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN052058.D (-2981) (-)

11.41

400000

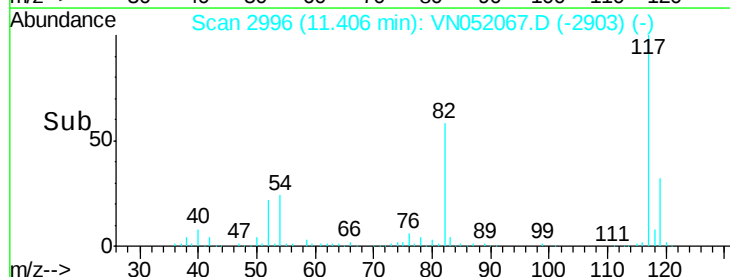
300000

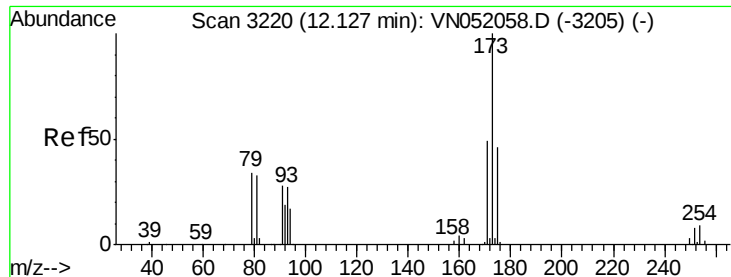
200000

100000

0

Time--> 11.30 11.40 11.50





#71

Bromoform

Concen: 3.56 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN052067.D

Acq: 31 Oct 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBL01

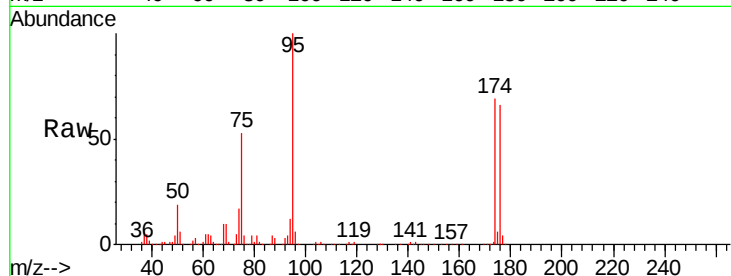
Tgt Ion:173 Resp: 3088

Ion Ratio Lower Upper

173 100

175 467.1 23.9 71.7#

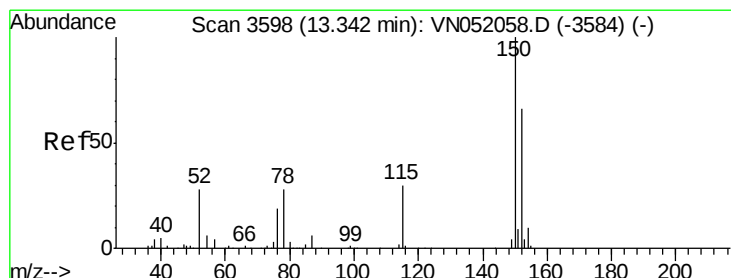
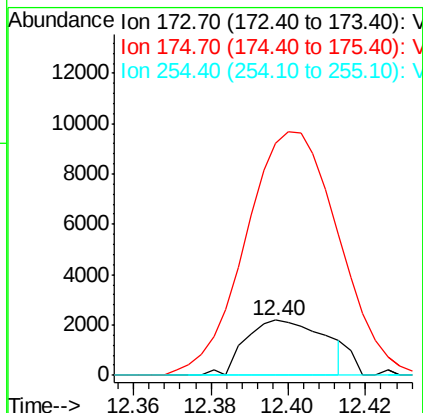
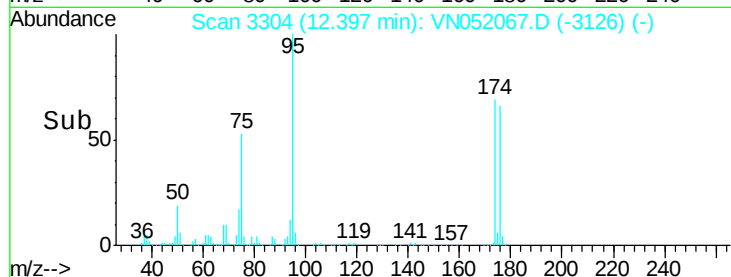
254 0.0 0.0 0.0



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: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052067.D

Acq: 31 Oct 2018 12:18

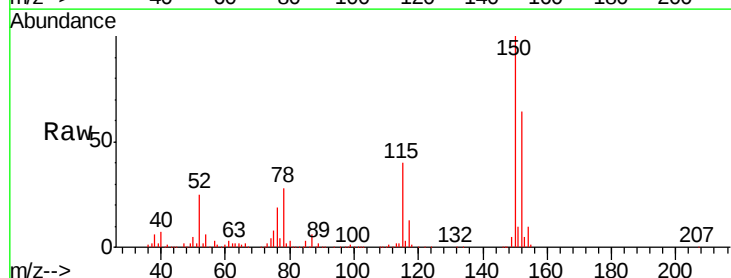
Tgt Ion:152 Resp: 204777

Ion Ratio Lower Upper

152 100

115 63.0 31.6 95.0

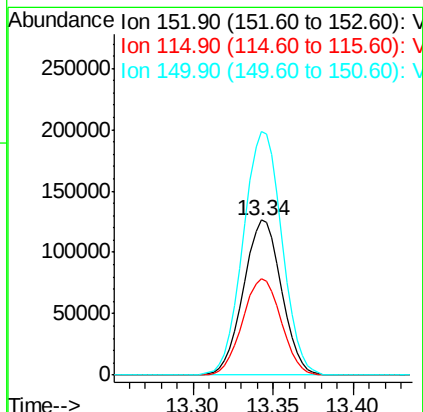
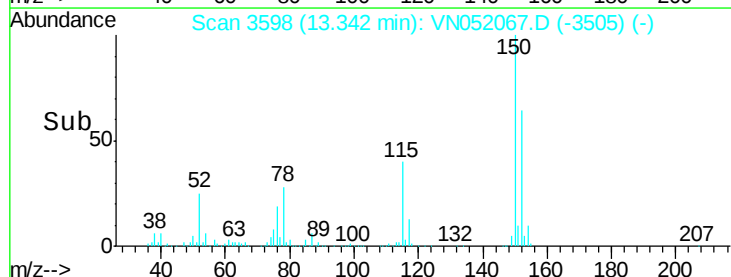
150 160.0 0.0 345.0

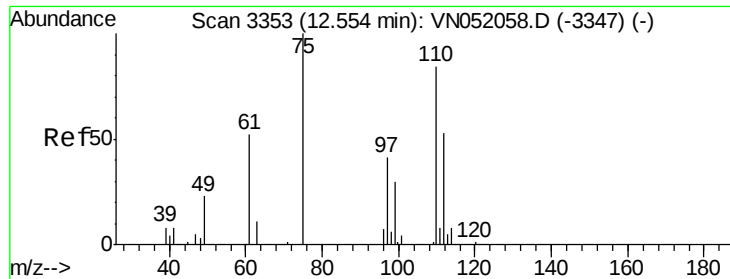


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 39.51 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052067.D

Acq: 31 Oct 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

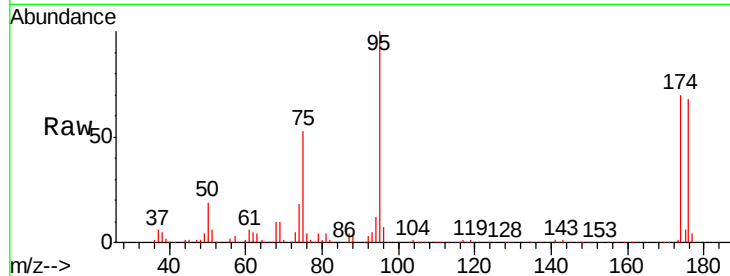
VN1031WBL01

Tgt Ion: 75 Resp: 148106

Ion Ratio Lower Upper

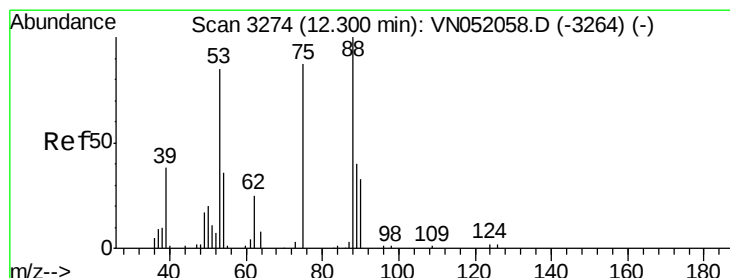
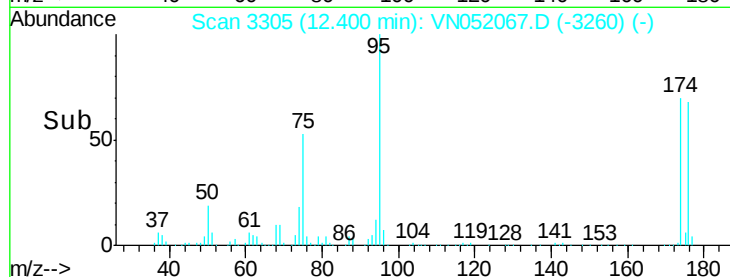
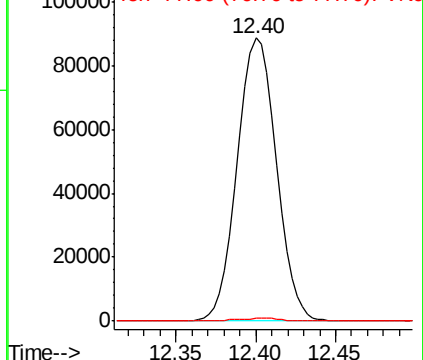
75 100

77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 131.14 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052067.D

Acq: 31 Oct 2018 12:18

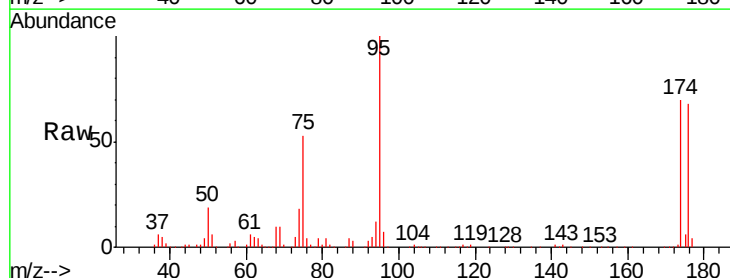
Tgt Ion: 75 Resp: 148106

Ion Ratio Lower Upper

75 100

53 0.0 81.8 122.6#

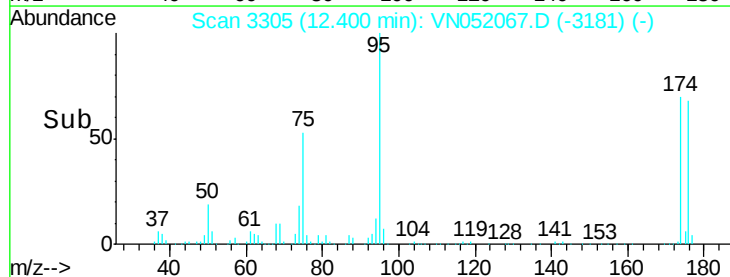
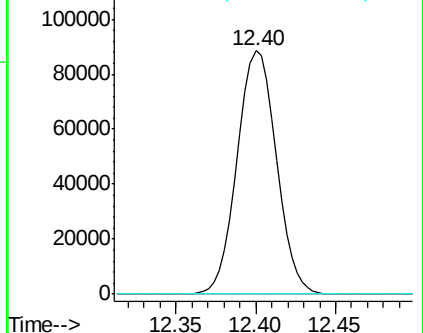
89 0.0 36.6 54.8#

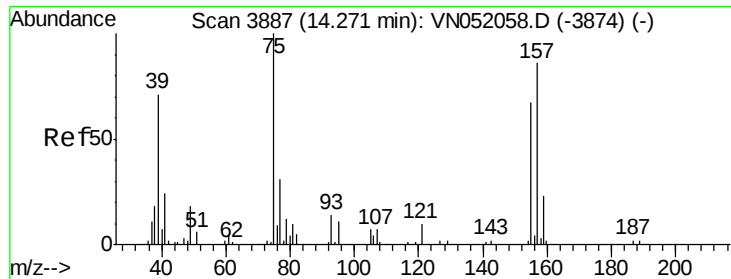


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

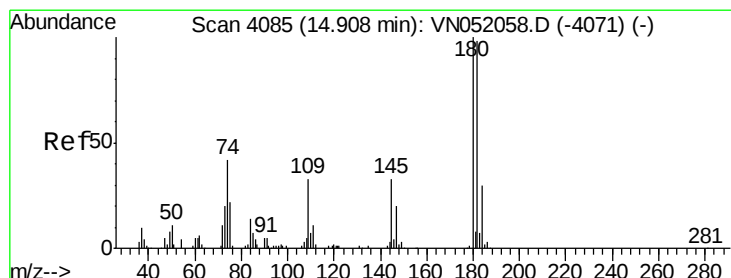
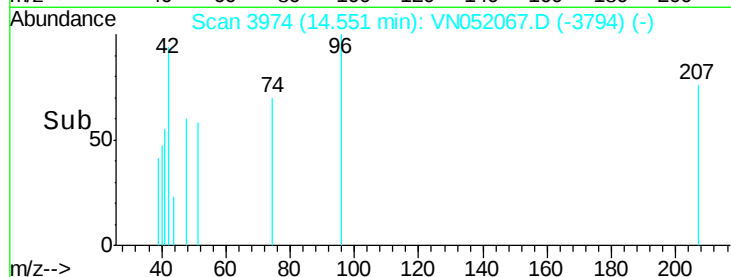
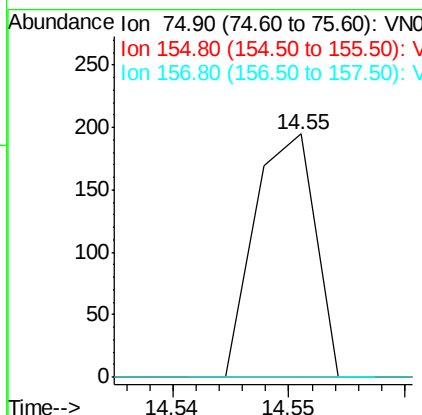
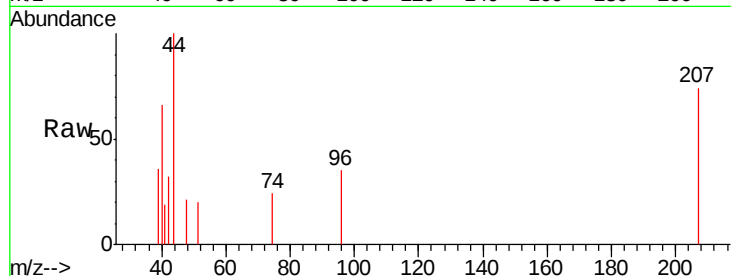




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.03 ug/l
 RT: 14.55 min Scan# 3974
 Delta R.T. 0.28 min
 Lab File: VN052067.D
 Acq: 31 Oct 2018 12:18

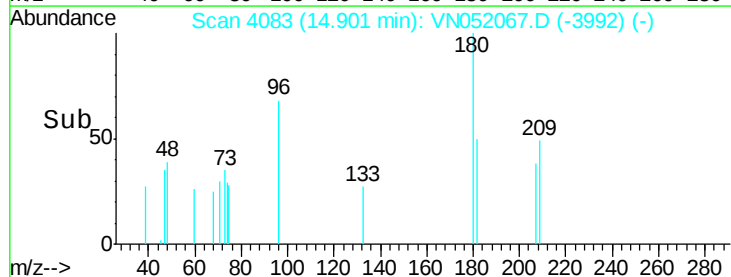
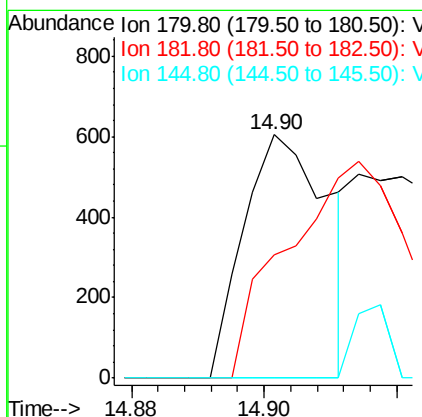
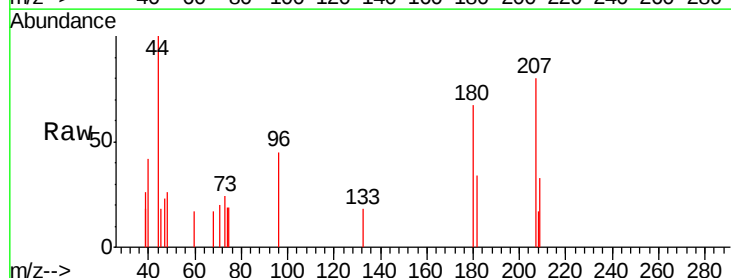
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBL01

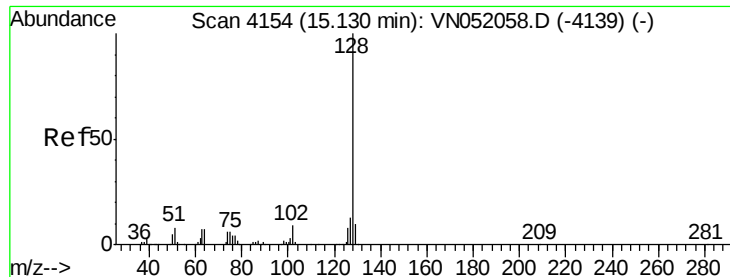
Tgt Ion: 75 Resp: 70
 Ion Ratio Lower Upper
 75 100
 155 0.0 34.0 102.0#
 157 0.0 42.1 126.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.23 ug/l
 RT: 14.90 min Scan# 4083
 Delta R.T. -0.01 min
 Lab File: VN052067.D
 Acq: 31 Oct 2018 12:18

Tgt Ion: 180 Resp: 538
 Ion Ratio Lower Upper
 180 100
 182 121.4 49.1 147.4
 145 12.5 16.4 49.2#





#95

Naphthalene

Concen: 0.35 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN052067.D

Acq: 31 Oct 2018 12:18

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBL01

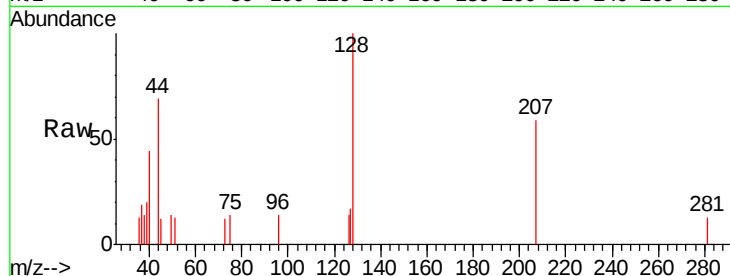
Tgt Ion:128 Resp: 2077

Ion Ratio Lower Upper

128 100

127 14.3 10.5 15.7

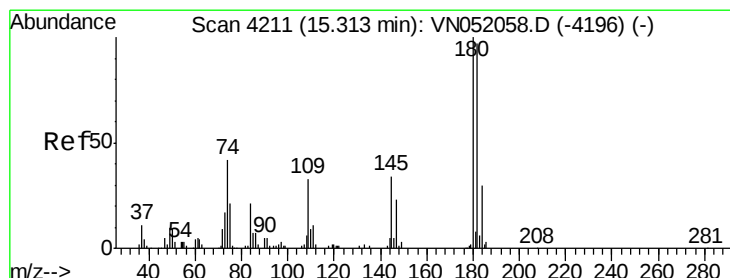
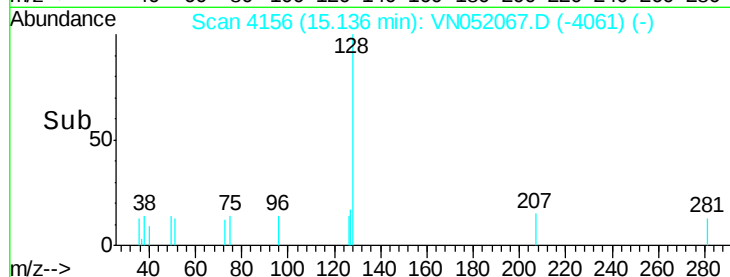
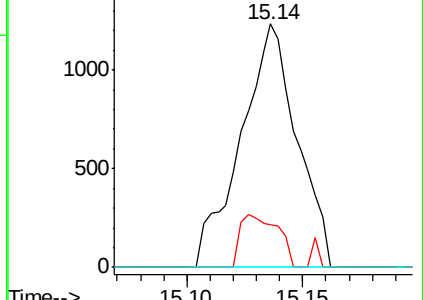
129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.66 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN052067.D

Acq: 31 Oct 2018 12:18

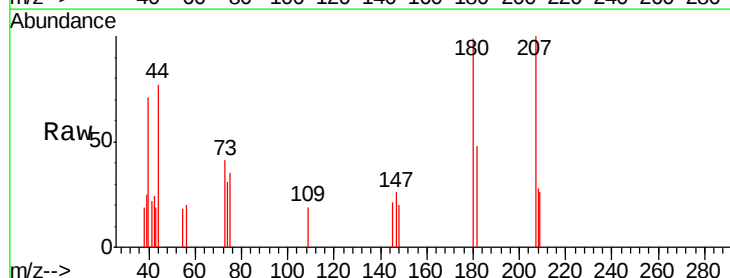
Tgt Ion:180 Resp: 1339

Ion Ratio Lower Upper

180 100

182 42.2 47.2 141.6#

145 25.5 16.6 49.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

