

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110118\
 Data File : VN052103.D
 Acq On : 1 Nov 2018 15:14
 Operator : MD\SY
 Sample : VN1101WBL02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBL02

Quant Time: Nov 02 07:05:49 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

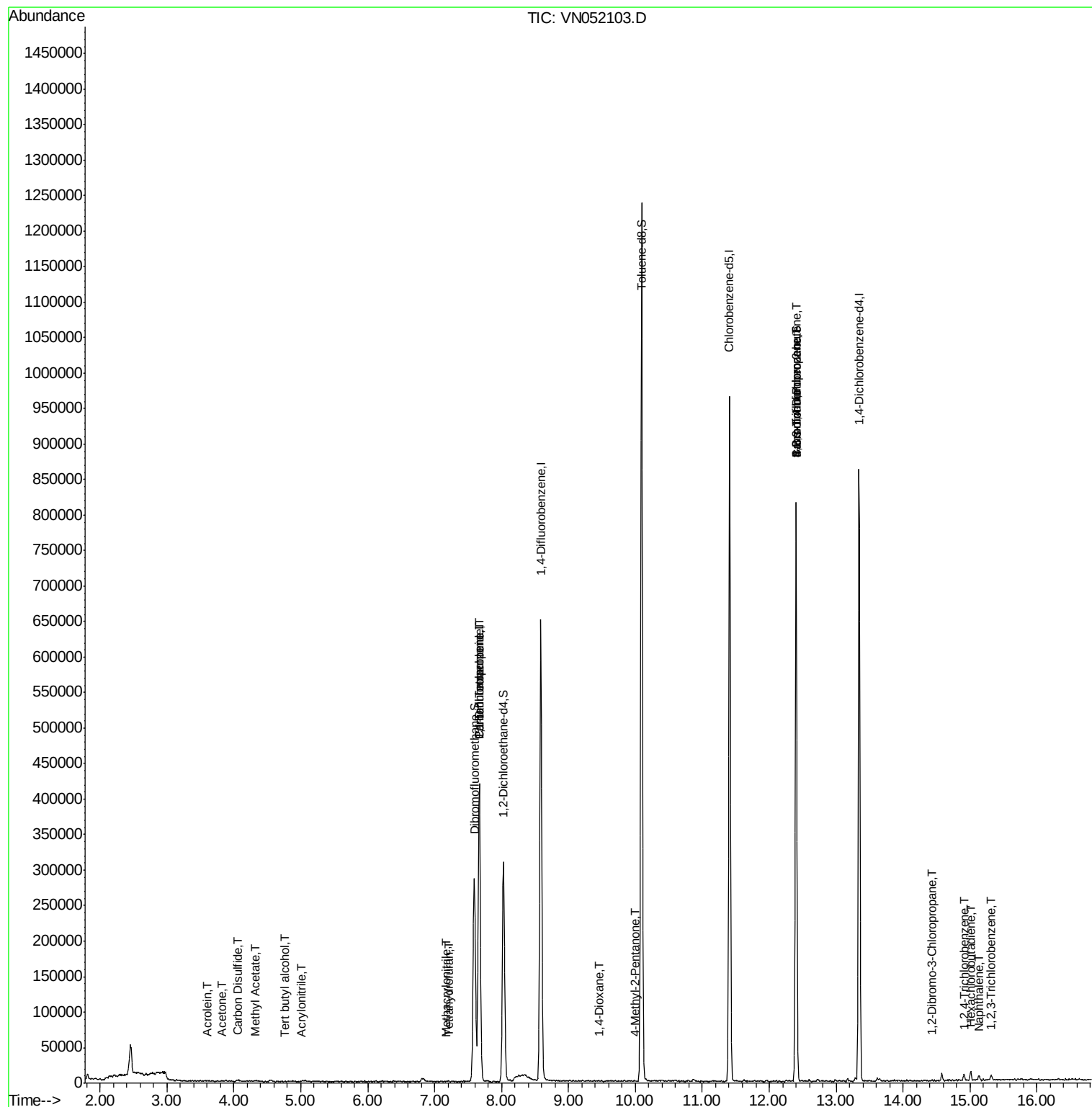
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	305945	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	571612	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	530385	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	214933	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	257892	52.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.06%	
35) Dibromofluoromethane	7.59	113	214743	60.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.10%	
50) Toluene-d8	10.09	98	842816	58.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.94%	
62) 4-Bromofluorobenzene	12.40	95	282451	53.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.66%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.75	59	64	0.260	ug/l #	76
13) Acrolein	3.61	56	300	25.134	ug/l #	12
15) Acrylonitrile	5.00	53	327	0.233	ug/l #	44
16) Acetone	3.82	43	479	0.457	ug/l #	44
17) Carbon Disulfide	4.06	76	3005	0.297	ug/l #	76
18) Methyl Acetate	4.32	43	748	0.224	ug/l #	53
29) Tetrahydrofuran	7.20	42	424	0.387	ug/l #	36
31) Cyclohexane	7.66	56	7714	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	27058	4.655	ug/l #	48
38) Carbon Tetrachloride	7.67	117	34774	6.939	ug/l #	17
41) Methacrylonitrile	7.17	41	271	0.277	ug/l #	34
49) 1,4-Dioxane	9.46	88	33	26.155	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	1048	0.279	ug/l #	38
71) Bromoform	12.40	173	3039	3.467	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	147657	37.529	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	147657	124.566	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.44	75	158	1.163	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	2236	0.911	ug/l	95
94) Hexachlorobutadiene	15.01	225	2028	1.476	ug/l	93
95) Naphthalene	15.14	128	5389	0.875	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	2128	1.004	ug/l	84

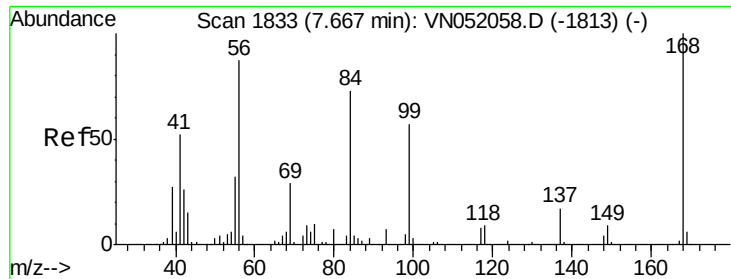
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 31 02:45:22 2018
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: VN052103.D

Acq: 1 Nov 2018 15:14

Instrument :

MSVOA_N

ClientSampled :

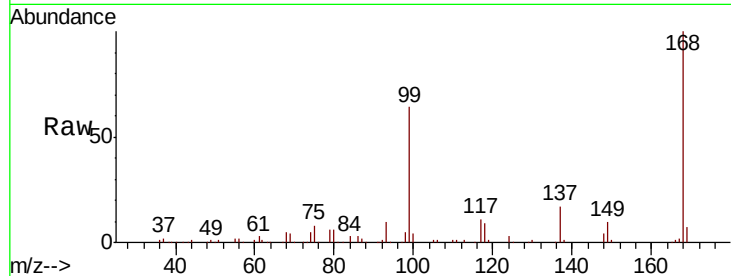
VN1101WBL02

Tgt Ion:168 Resp: 305945

Ion Ratio Lower Upper

168 100

99 64.5 56.6 85.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

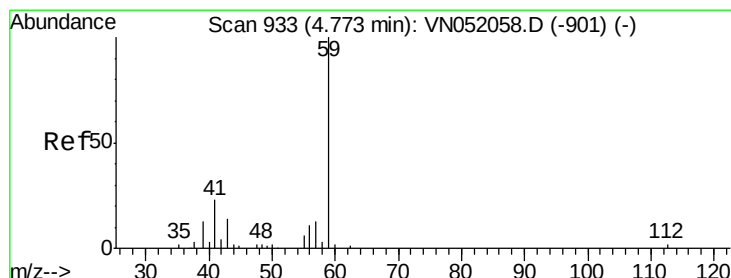
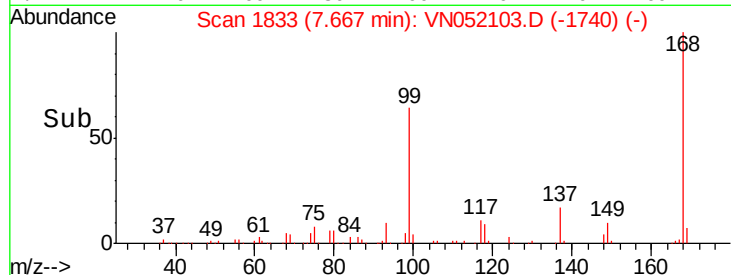
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.260 ug/l

RT: 4.75 min Scan# 927

Delta R.T. -0.02 min

Lab File: VN052103.D

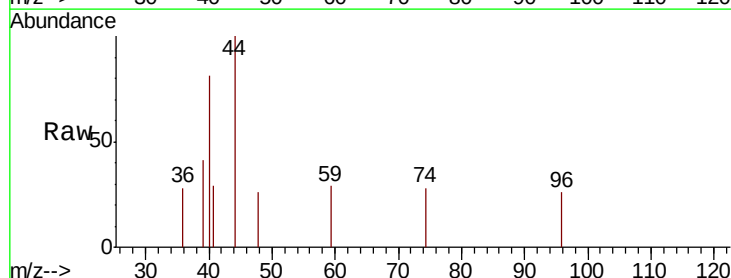
Acq: 1 Nov 2018 15:14

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): VN

Ion 57.00 (56.70 to 57.70): VN

4.75

200

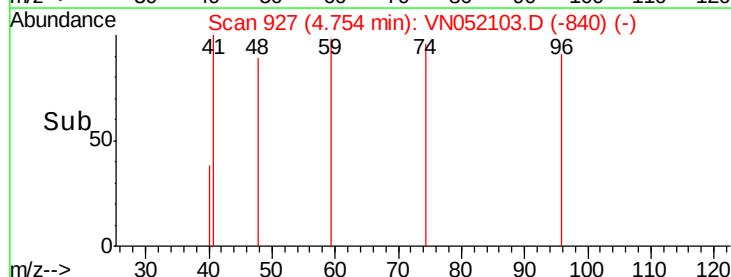
150

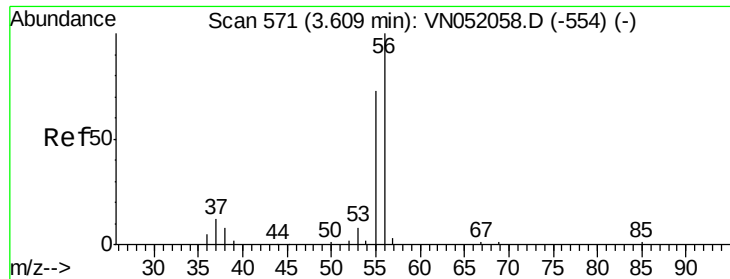
100

50

0

Time-->





#13

Acrolein

Concen: 25.134 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052103.D

Acq: 1 Nov 2018 15:14

Instrument :

MSVOA_N

ClientSampleId :

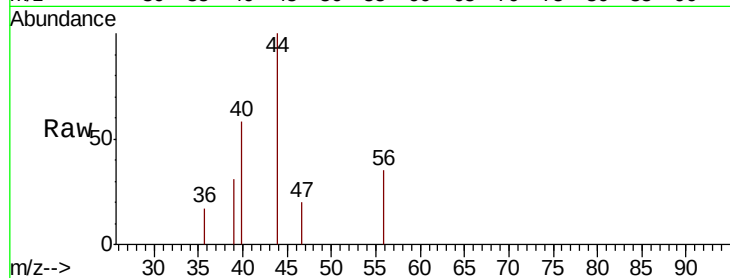
VN1101WBL02

Tgt Ion: 56 Resp: 300

Ion Ratio Lower Upper

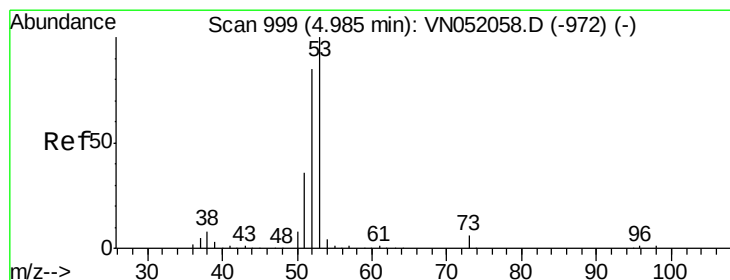
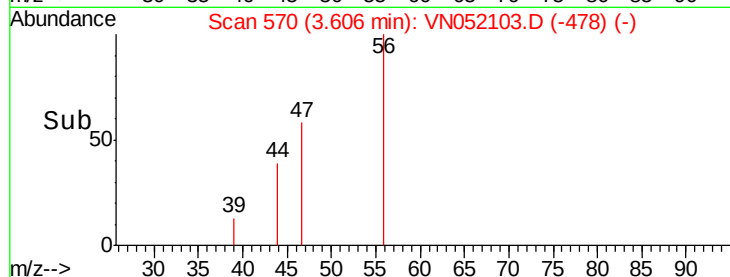
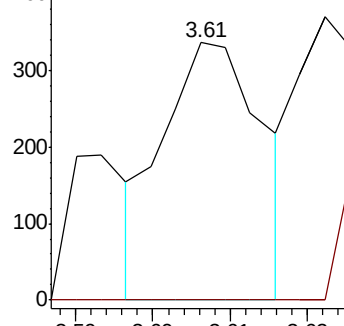
56 100

55 0.0 59.9 89.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#15

Acrylonitrile

Concen: 0.233 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VN052103.D

Acq: 1 Nov 2018 15:14

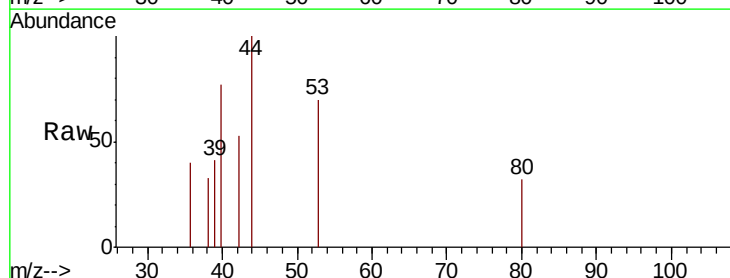
Tgt Ion: 53 Resp: 327

Ion Ratio Lower Upper

53 100

52 34.6 66.6 100.0#

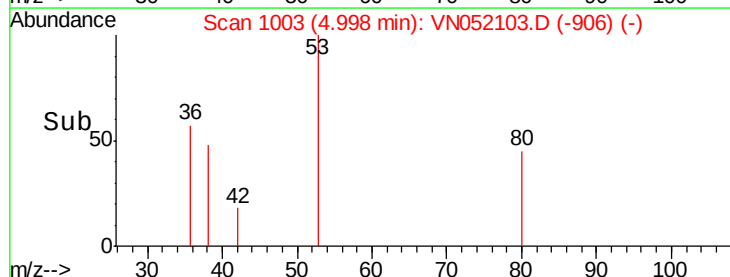
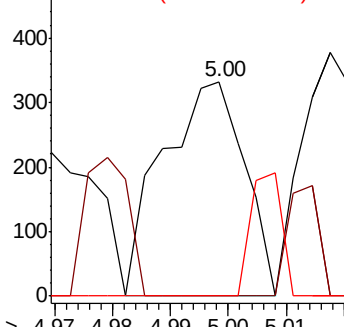
51 0.0 29.0 43.6#

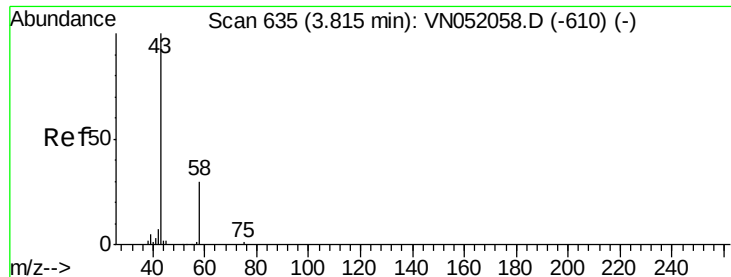


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#16

Acetone

Concen: 0.457 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052103.D

Acq: 1 Nov 2018 15:14

Instrument :

MSVOA_N

ClientSampled :

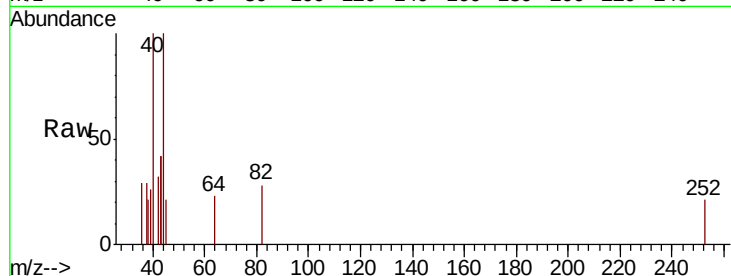
VN1101WBL02

Tgt Ion: 43 Resp: 479

Ion Ratio Lower Upper

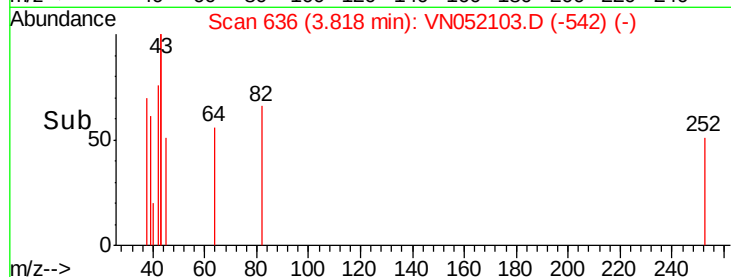
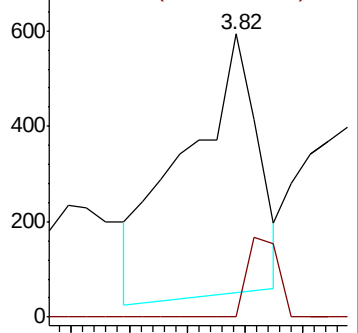
43 100

58 0.0 24.2 36.2#

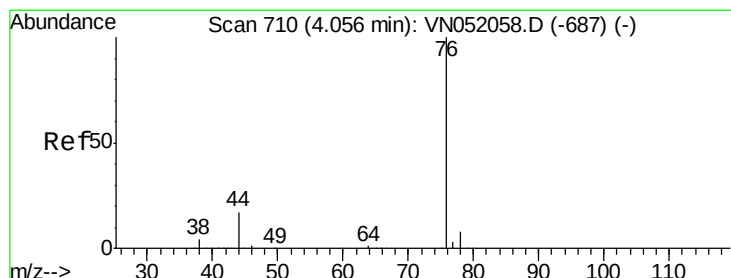


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#17

Carbon Disulfide

Concen: 0.297 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN052103.D

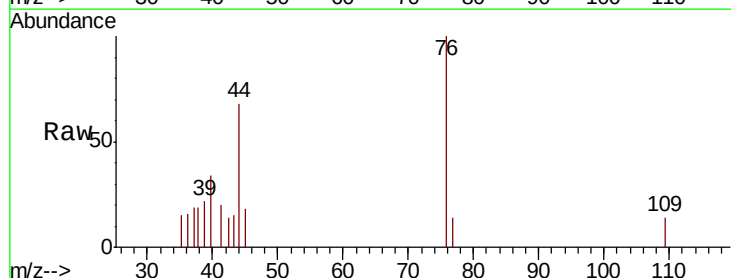
Acq: 1 Nov 2018 15:14

Tgt Ion: 76 Resp: 3005

Ion Ratio Lower Upper

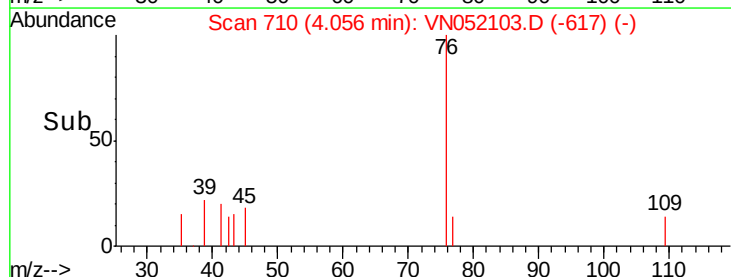
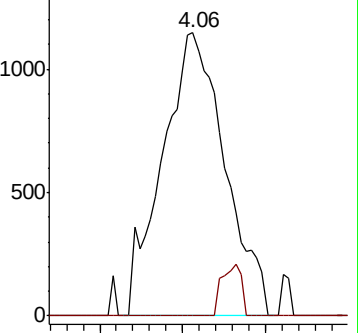
76 100

78 0.0 6.8 10.2#

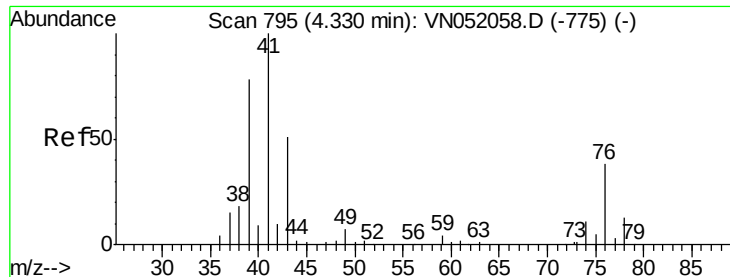


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



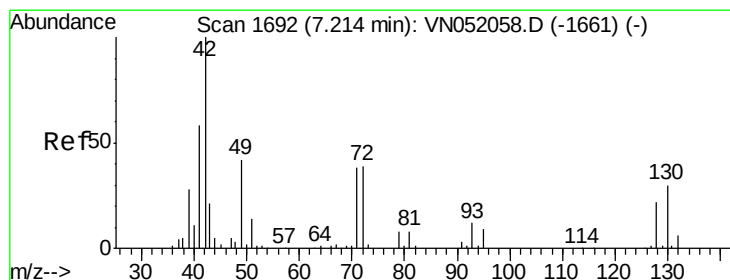
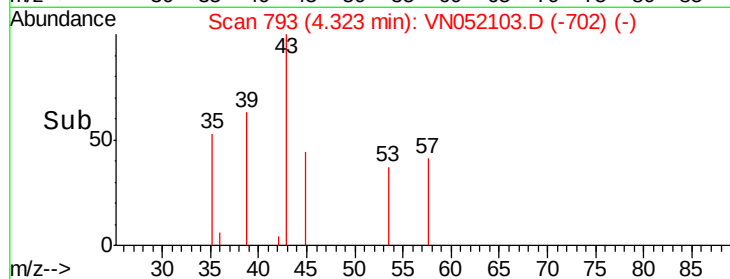
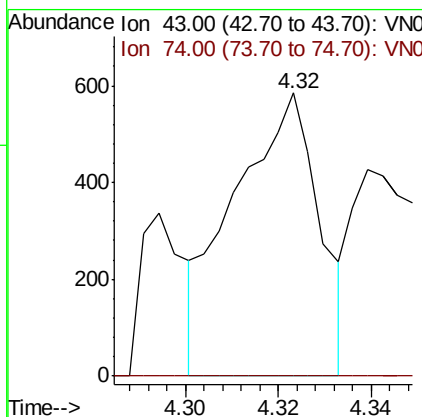
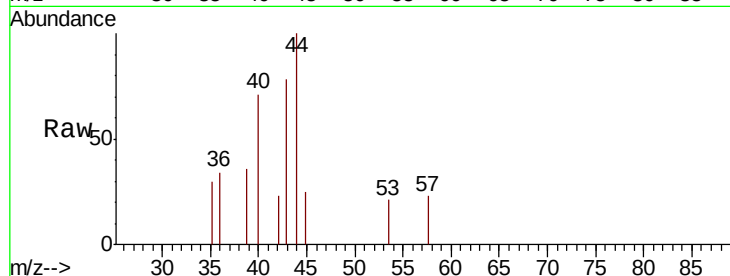
Time-->



#18
Methyl Acetate
Concen: 0.224 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN052103.D
Acq: 1 Nov 2018 15:14

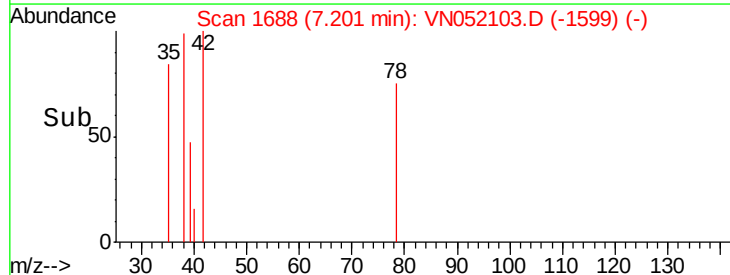
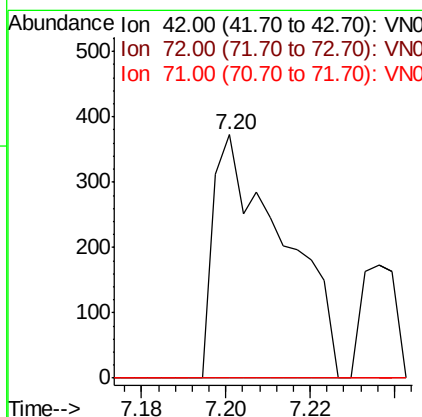
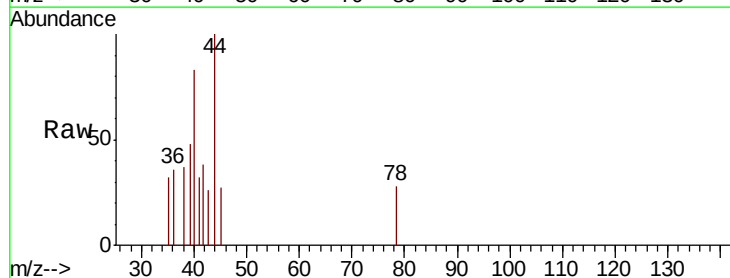
Instrument :
MSVOA_N
ClientSampleId :
VN1101WBL02

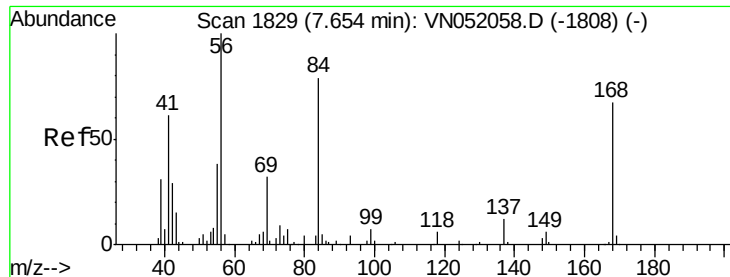
Tgt Ion: 43 Resp: 748
Ion Ratio Lower Upper
43 100
74 0.0 17.9 26.9#



#29
Tetrahydrofuran
Concen: 0.387 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VN052103.D
Acq: 1 Nov 2018 15:14

Tgt Ion: 42 Resp: 424
Ion Ratio Lower Upper
42 100
72 0.0 32.5 48.7#
71 0.0 30.6 46.0#

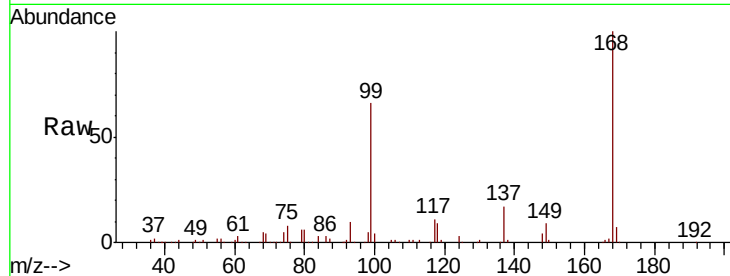




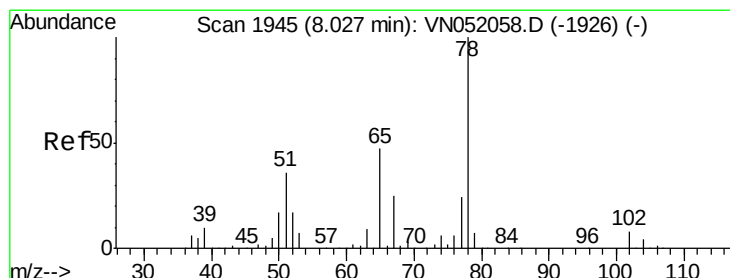
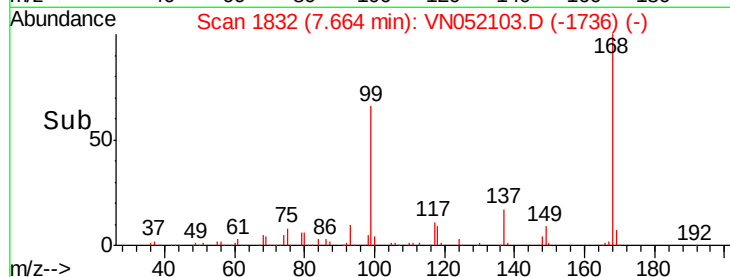
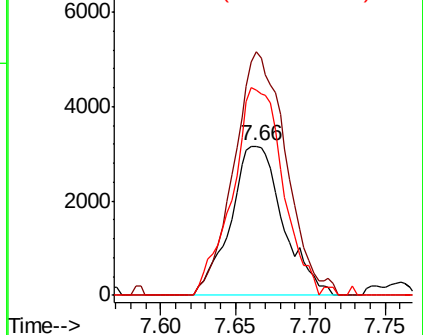
#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052103.D
Acq: 1 Nov 2018 15:14

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBL02

Tgt Ion: 56 Resp: 7714
Ion Ratio Lower Upper
56 100
69 163.5 25.8 38.6#
84 137.8 63.5 95.3#

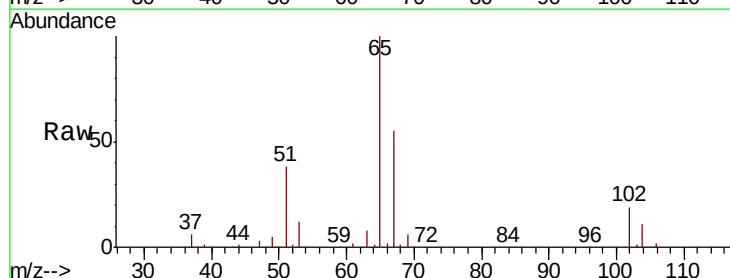


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

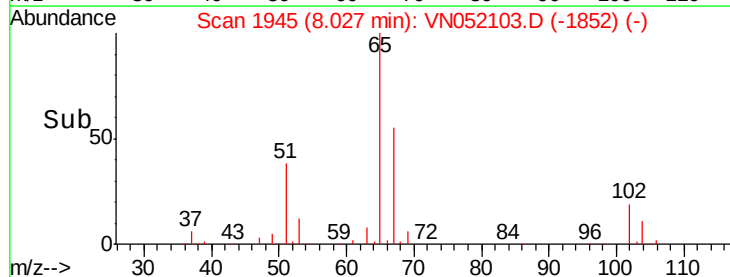
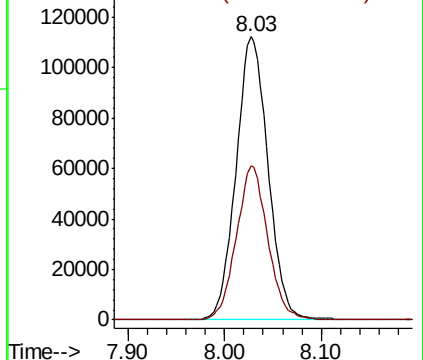


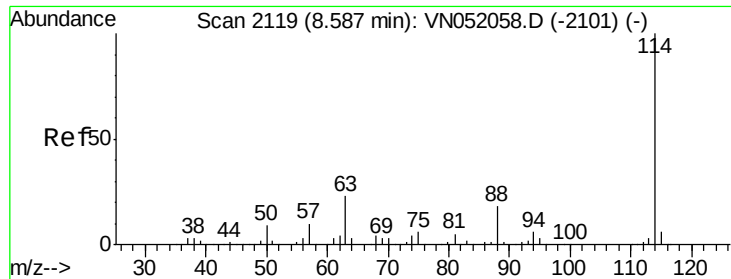
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN052103.D
Acq: 1 Nov 2018 15:14

Tgt Ion: 65 Resp: 257892
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.2



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

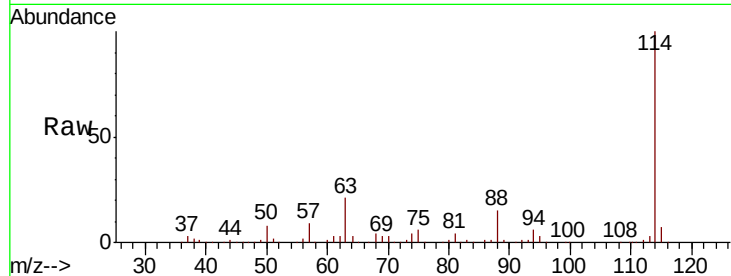




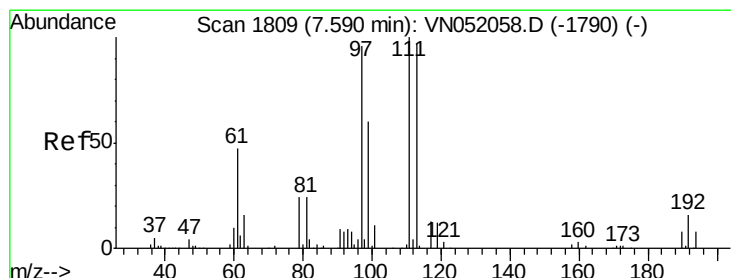
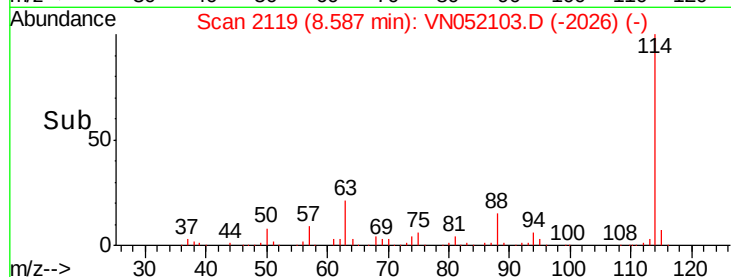
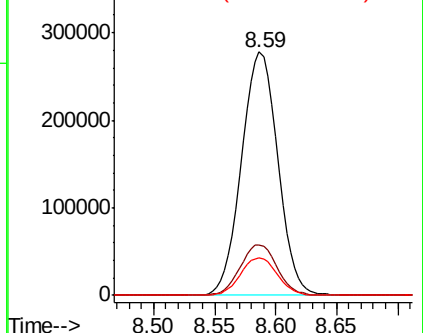
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052103.D
 Acq: 1 Nov 2018 15:14

Instrument :
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 ClientSampleId :
 VN1101WBL02

Tgt Ion:114 Resp: 571612
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 46.0
 88 15.5 0.0 35.4

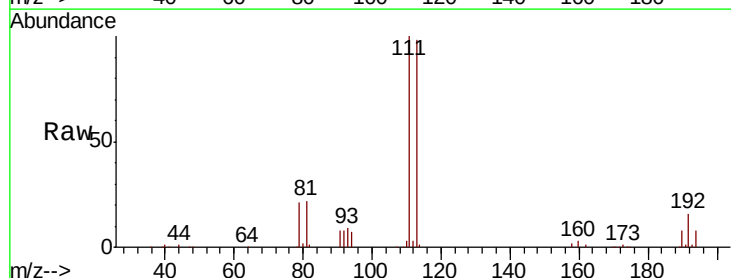


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

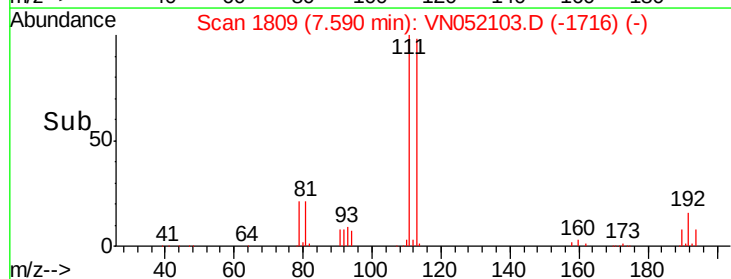
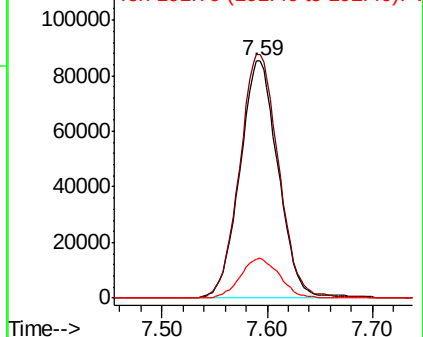


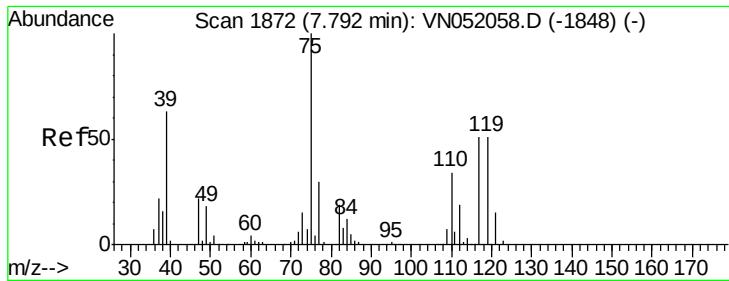
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN052103.D
 Acq: 1 Nov 2018 15:14

Tgt Ion:113 Resp: 214743
 Ion Ratio Lower Upper
 113 100
 111 104.6 83.1 124.7
 192 17.2 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

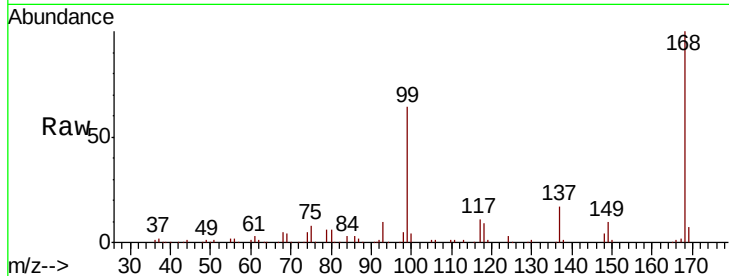




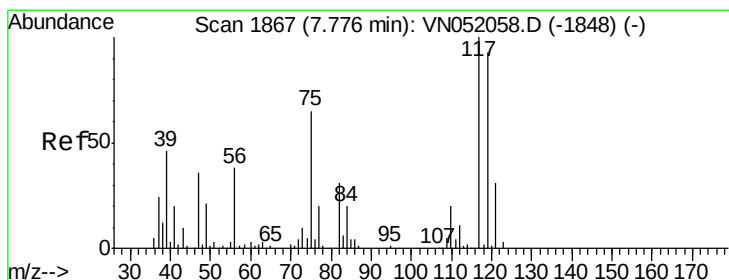
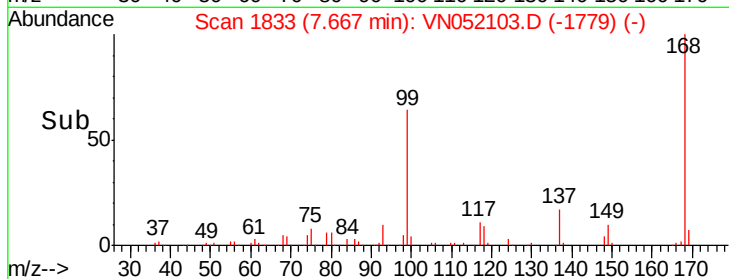
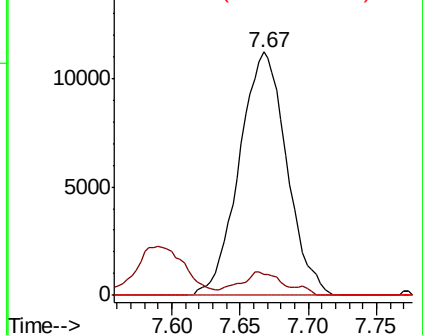
#36
 1,1-Dichloropropene
 Concen: 4.655 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052103.D
 Acq: 1 Nov 2018 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBL02

Tgt Ion: 75 Resp: 27058
 Ion Ratio Lower Upper
 75 100
 110 5.3 16.0 48.0#
 77 0.0 24.5 36.7#

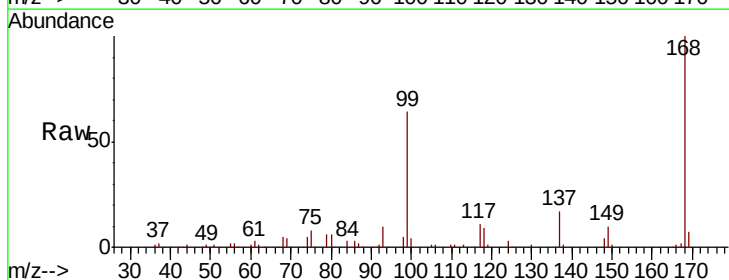


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

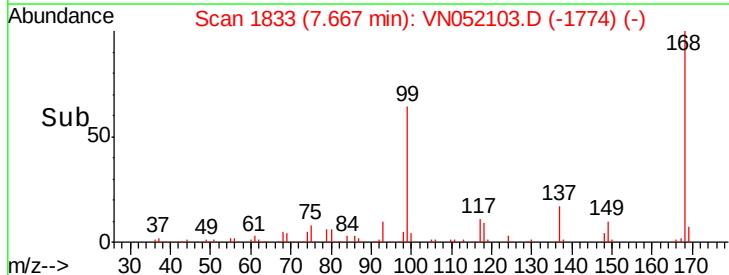
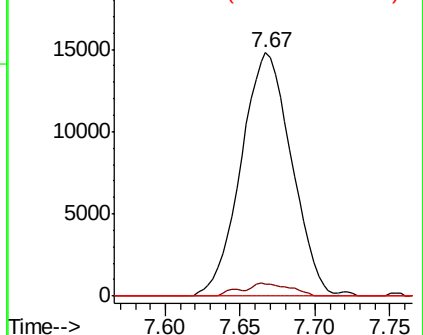


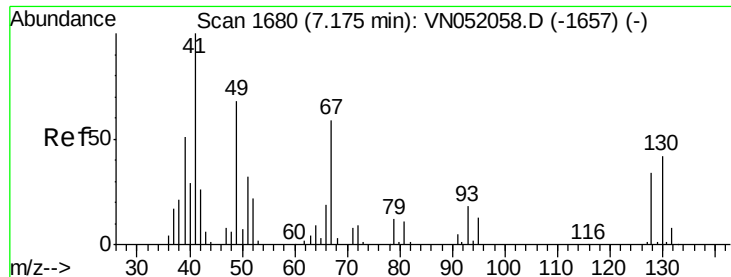
#38
 Carbon Tetrachloride
 Concen: 6.939 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN052103.D
 Acq: 1 Nov 2018 15:14

Tgt Ion: 117 Resp: 34774
 Ion Ratio Lower Upper
 117 100
 119 5.1 74.8 112.2#
 121 0.0 25.1 37.7#



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

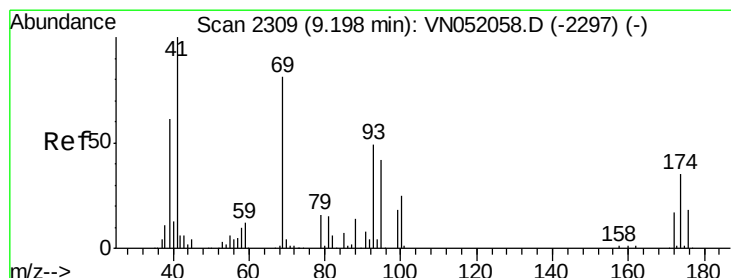
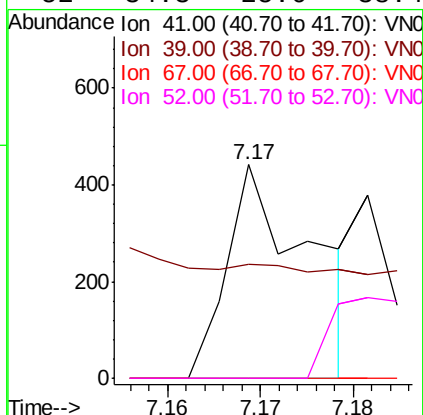
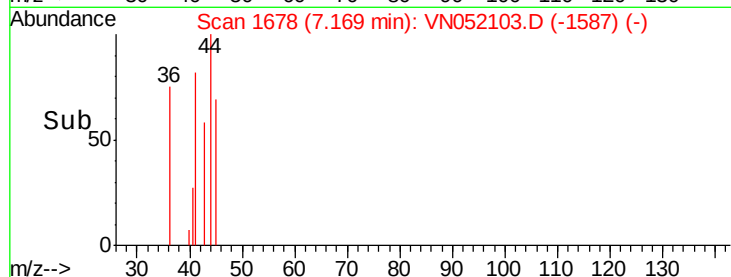
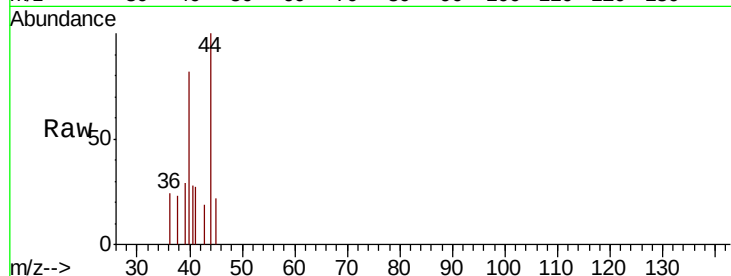




#41
Methacrylonitrile
Concen: 0.277 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN052103.D
Acq: 1 Nov 2018 15:14

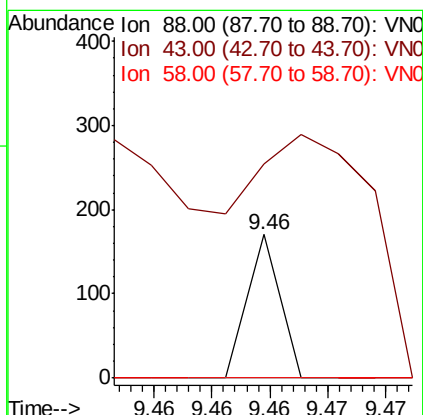
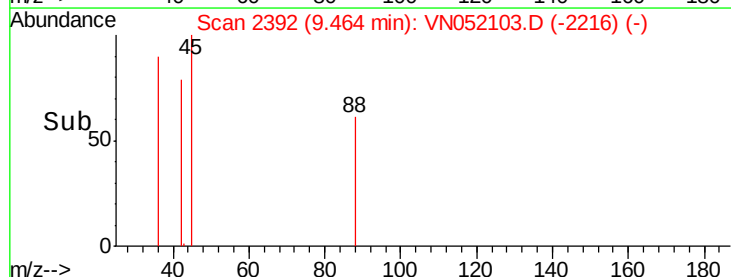
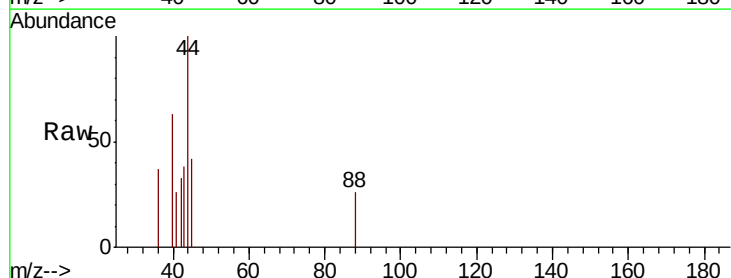
Instrument :
MSVOA_N
ClientSampleId :
VN1101WBL02

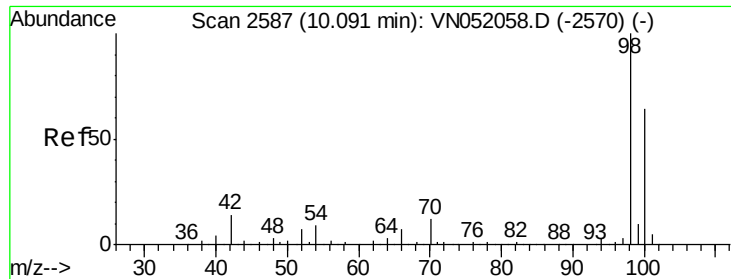
Tgt Ion: 41 Resp: 271
Ion Ratio Lower Upper
41 100
39 0.0 33.2 49.8#
67 0.0 63.5 95.3#
52 34.3 25.6 38.4



#49
1,4-Dioxane
Concen: 26.155 ug/l
RT: 9.46 min Scan# 2392
Delta R.T. 0.27 min
Lab File: VN052103.D
Acq: 1 Nov 2018 15:14

Tgt Ion: 88 Resp: 33
Ion Ratio Lower Upper
88 100
43 603.0 34.1 51.1#
58 0.0 62.8 94.2#





#50

Toluene-d8

Concen: 26.155 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052103.D

Acq: 1 Nov 2018 15:14

Instrument :

MSVOA_N

ClientSampled :

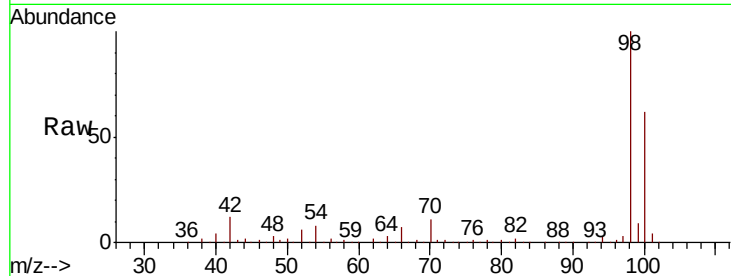
VN1101WBL02

Tgt Ion: 98 Resp: 842816

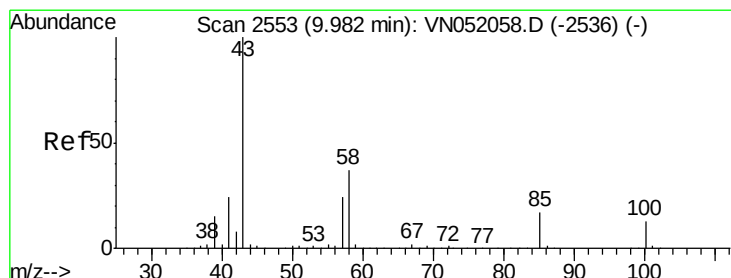
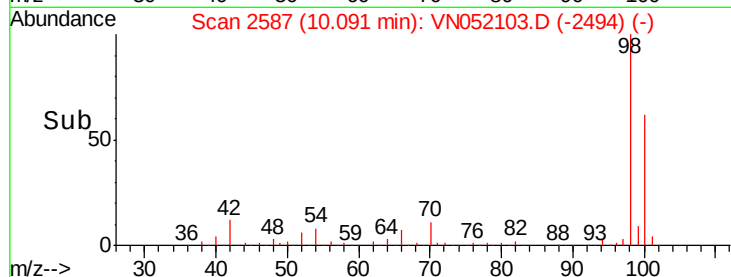
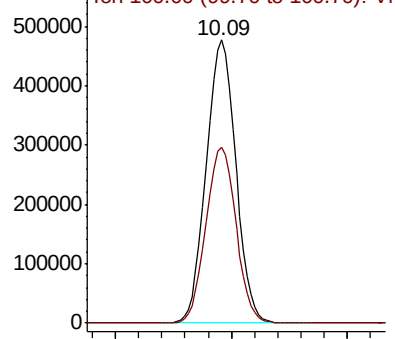
Ion Ratio Lower Upper

98 100

100 63.2 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN052103.D (-2494) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.279 ug/l

RT: 9.99 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN052103.D

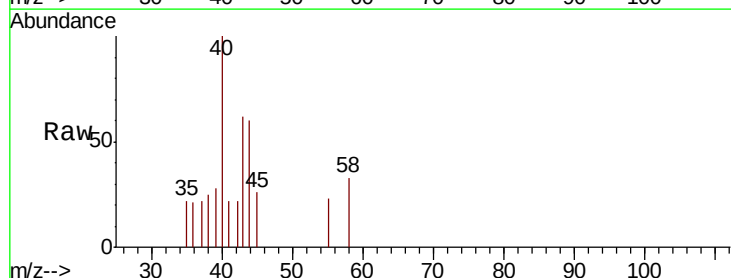
Acq: 1 Nov 2018 15:14

Tgt Ion: 43 Resp: 1048

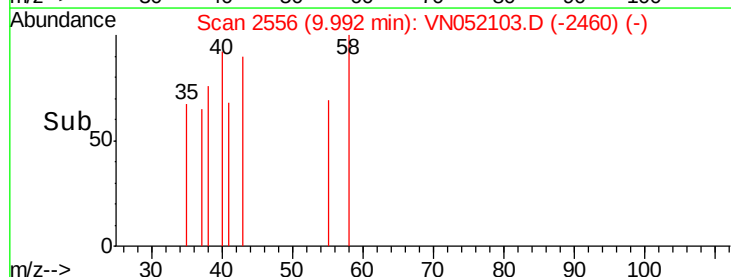
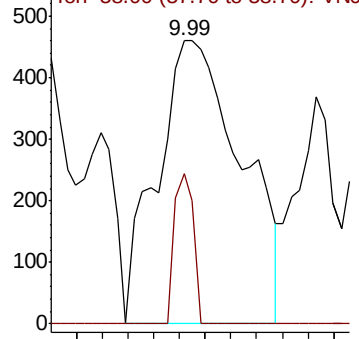
Ion Ratio Lower Upper

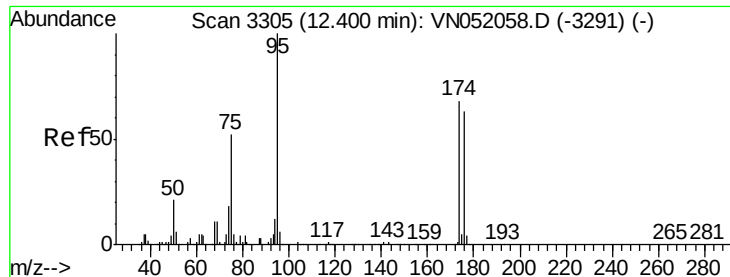
43 100

58 0.0 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VN052103.D (-2460) (-)

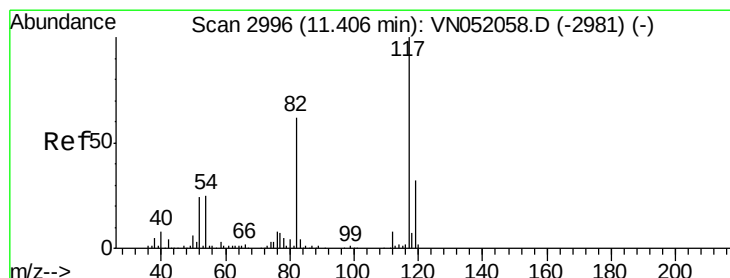
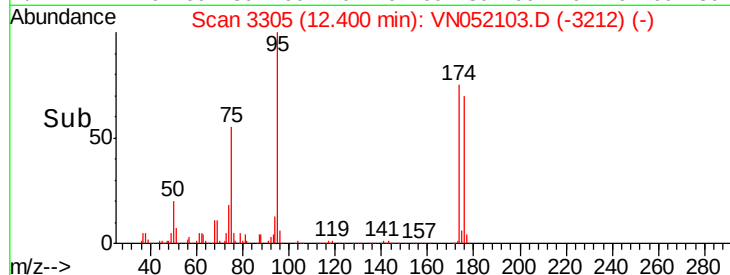
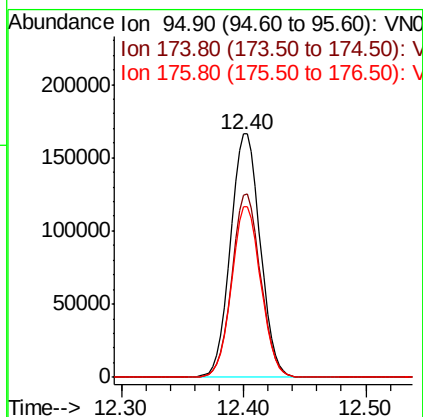
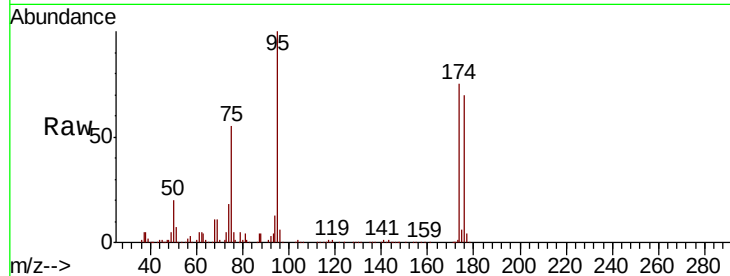




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052103.D
Acq: 1 Nov 2018 15:14

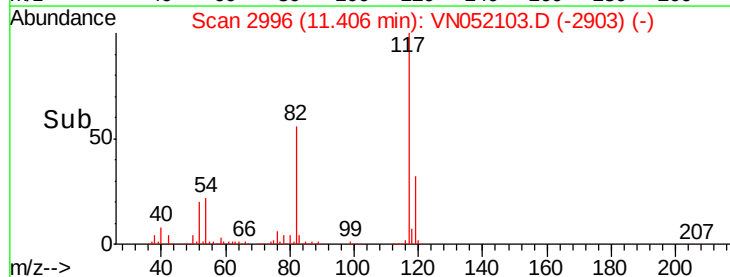
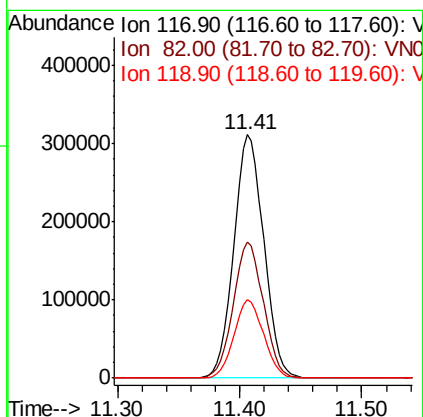
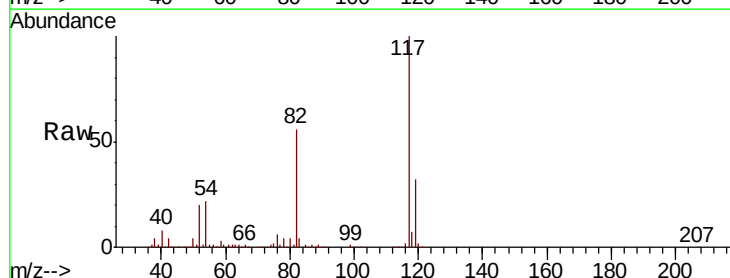
Instrument :
MSVOA_N
ClientSampleId :
VN1101WBL02

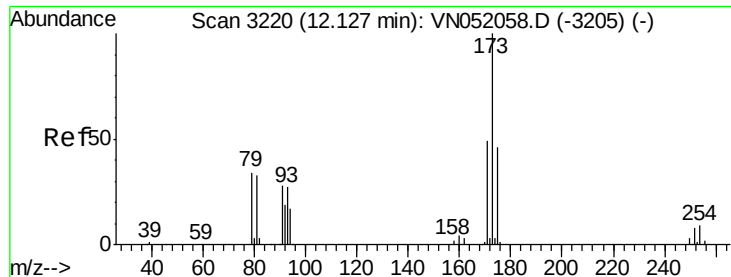
Tgt Ion: 95 Resp: 282451
Ion Ratio Lower Upper
95 100
174 72.8 0.0 131.8
176 69.0 0.0 126.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052103.D
Acq: 1 Nov 2018 15:14

Tgt Ion: 117 Resp: 530385
Ion Ratio Lower Upper
117 100
82 55.9 49.9 74.9
119 32.3 25.7 38.5





#71

Bromoform

Concen: 3.467 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052103.D

Acq: 1 Nov 2018 15:14

Instrument :

MSVOA_N

ClientSampled :

VN1101WBL02

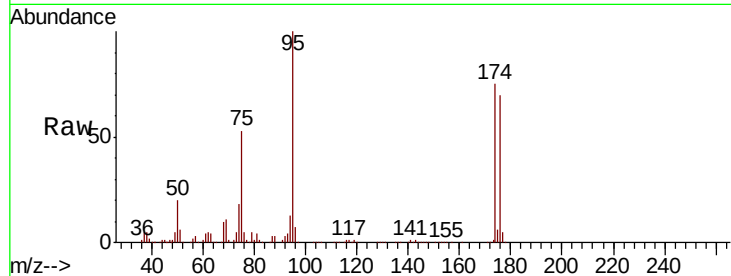
Tgt Ion:173 Resp: 3039

Ion Ratio Lower Upper

173 100

175 474.4 23.9 71.7#

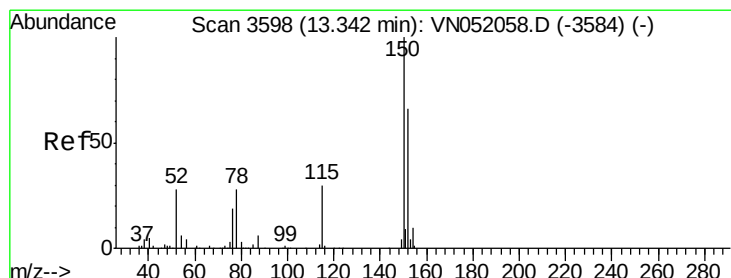
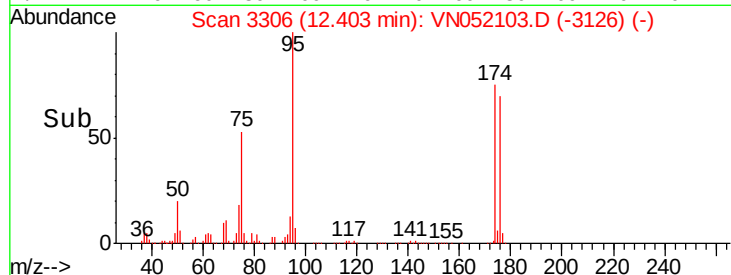
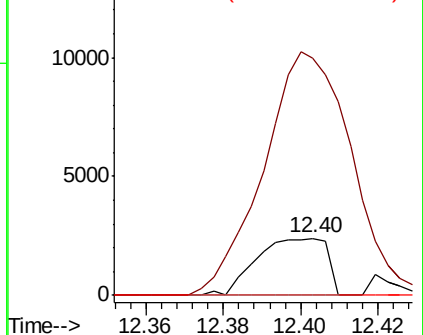
254 0.0 0.0 0.0



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: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052103.D

Acq: 1 Nov 2018 15:14

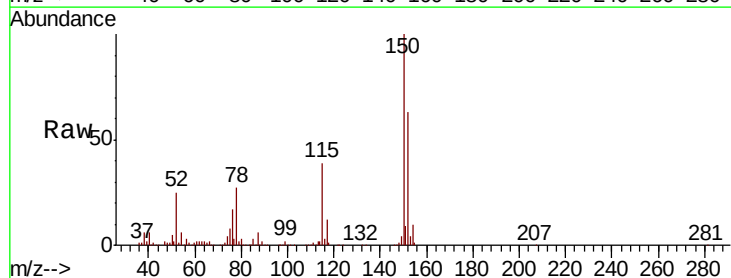
Tgt Ion:152 Resp: 214933

Ion Ratio Lower Upper

152 100

115 63.1 31.6 95.0

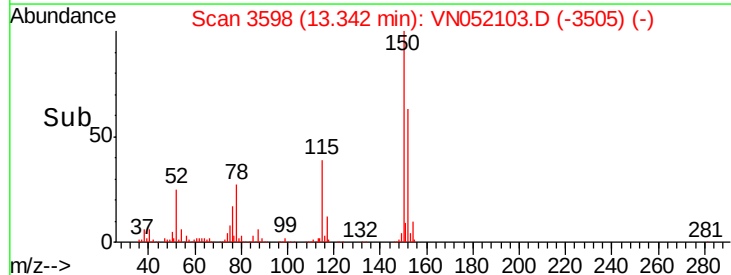
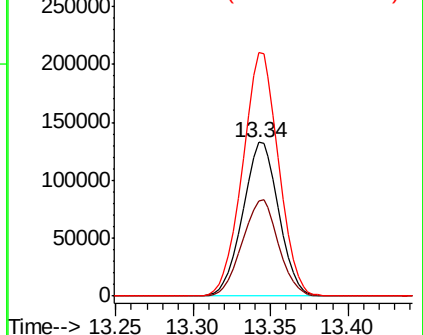
150 157.9 0.0 345.0

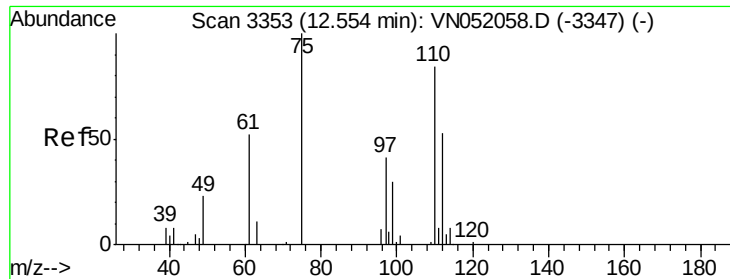


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 37.529 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052103.D

Acq: 1 Nov 2018 15:14

Instrument :

MSVOA_N

ClientSampled :

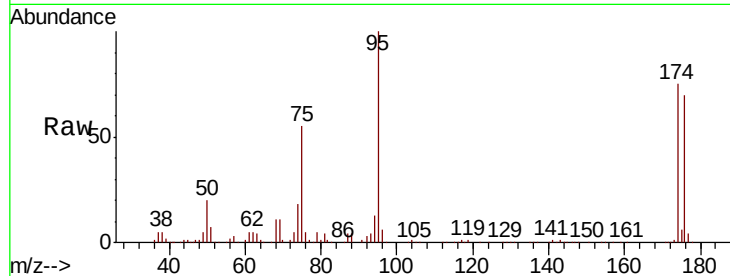
VN1101WBL02

Tgt Ion: 75 Resp: 147657

Ion Ratio Lower Upper

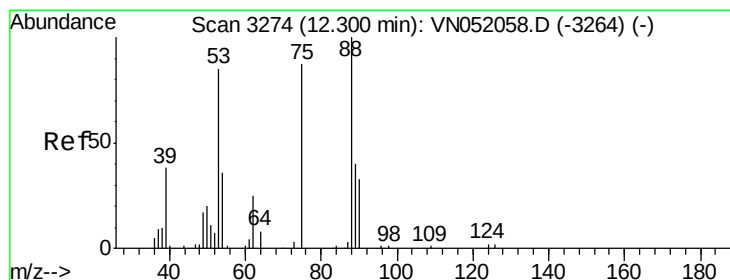
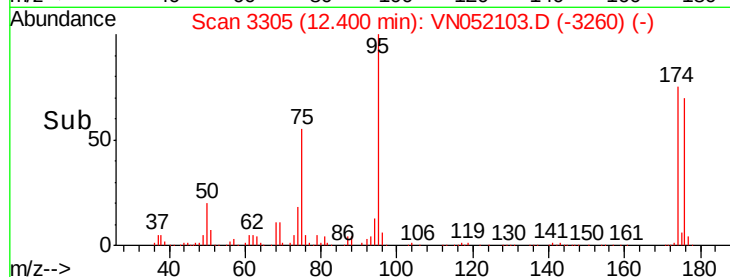
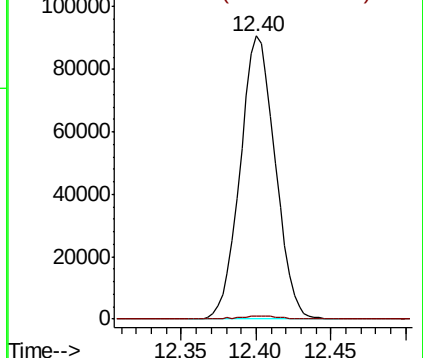
75 100

77 1.2 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: 124.566 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052103.D

Acq: 1 Nov 2018 15:14

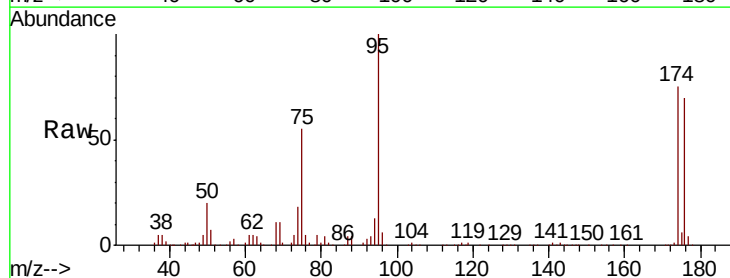
Tgt Ion: 75 Resp: 147657

Ion Ratio Lower Upper

75 100

53 0.0 81.8 122.6#

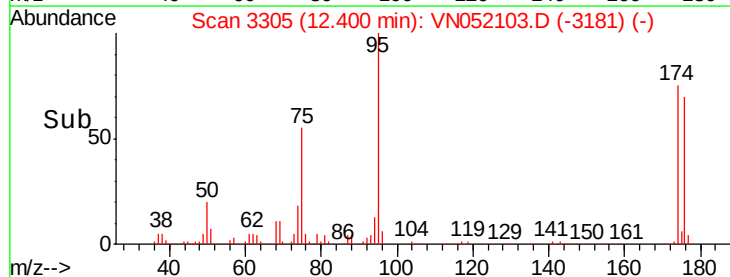
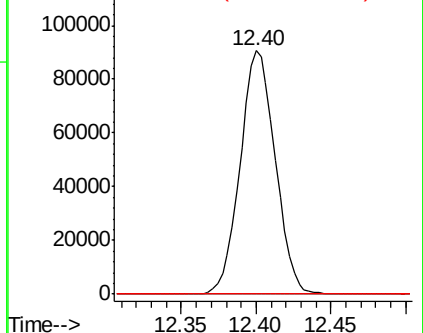
89 0.0 36.6 54.8#

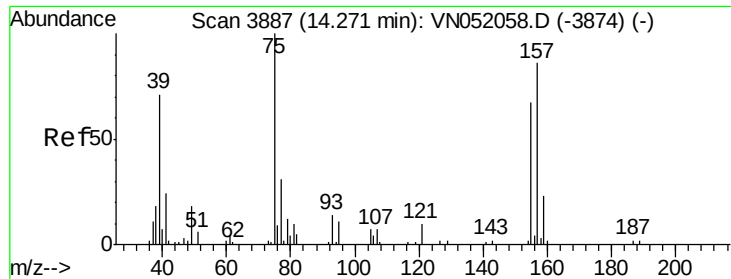


Abundance Ion 74.90 (74.60 to 75.60): VN0

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: 1.163 ug/l

RT: 14.44 min Scan# 3938

Delta R.T. 0.16 min

Lab File: VN052103.D

Acq: 1 Nov 2018 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBL02

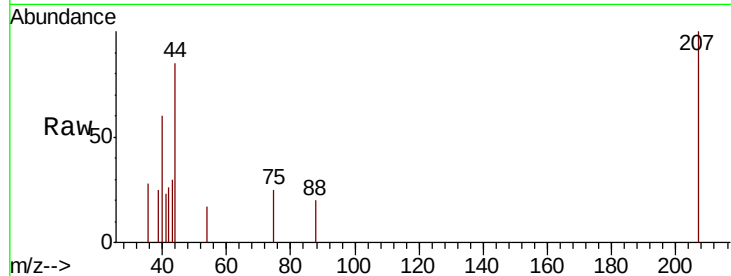
Tgt Ion: 75 Resp: 158

Ion Ratio Lower Upper

75 100

155 0.0 34.0 102.0#

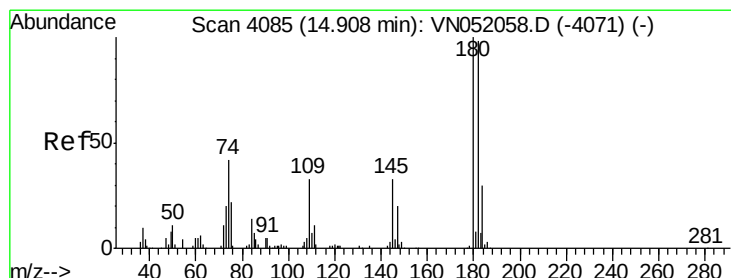
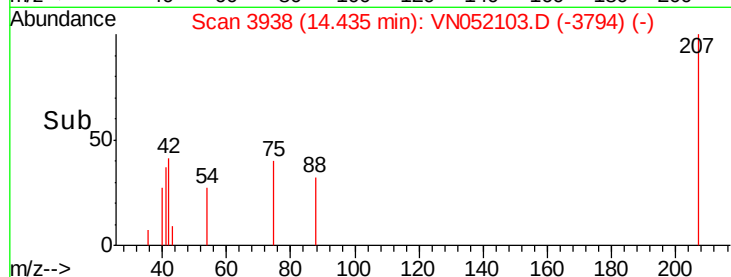
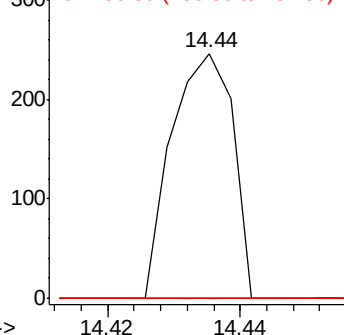
157 0.0 42.1 126.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 0.911 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN052103.D

Acq: 1 Nov 2018 15:14

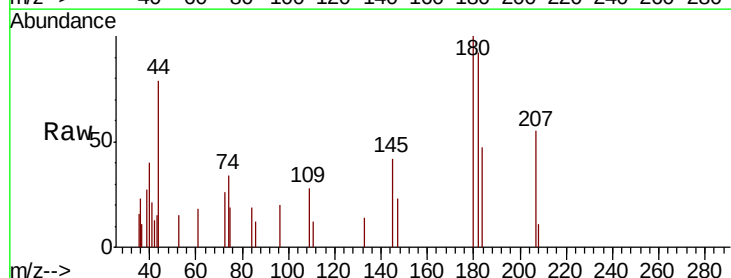
Tgt Ion: 180 Resp: 2236

Ion Ratio Lower Upper

180 100

182 98.8 49.1 147.4

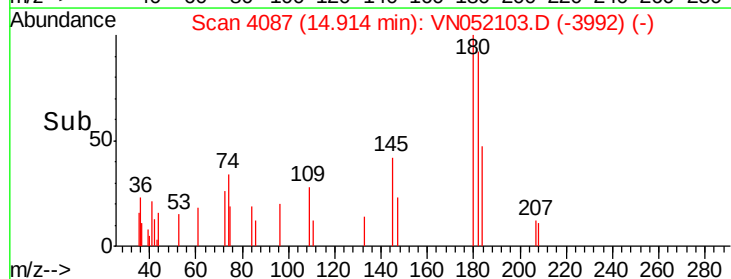
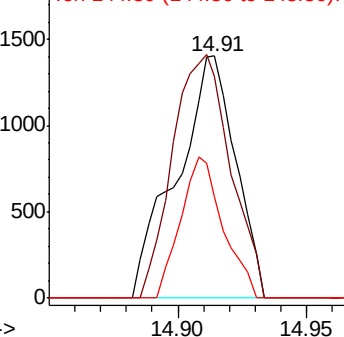
145 42.2 16.4 49.2

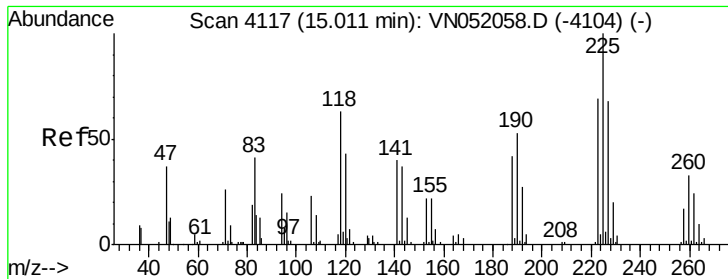


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 1.476 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN052103.D

Acq: 1 Nov 2018 15:14

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBL02

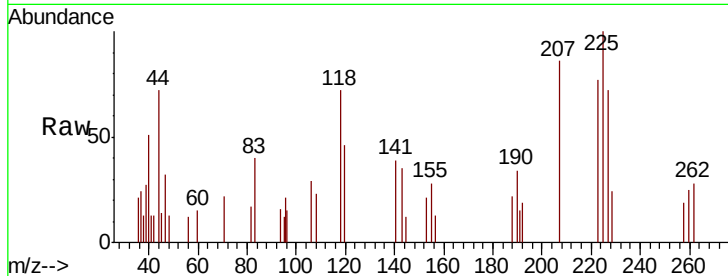
Tgt Ion:225 Resp: 2028

Ion Ratio Lower Upper

225 100

223 56.5 33.1 99.3

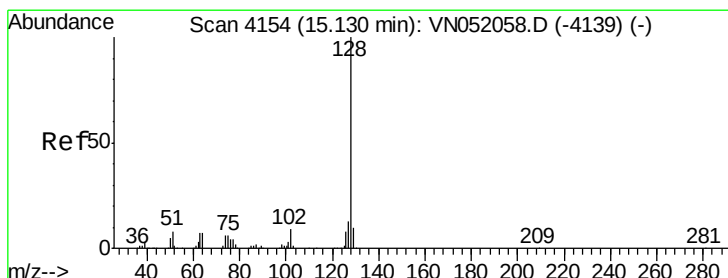
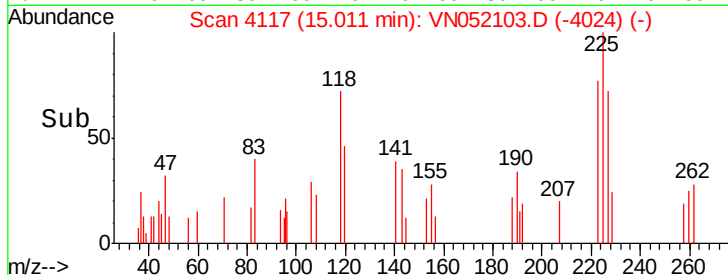
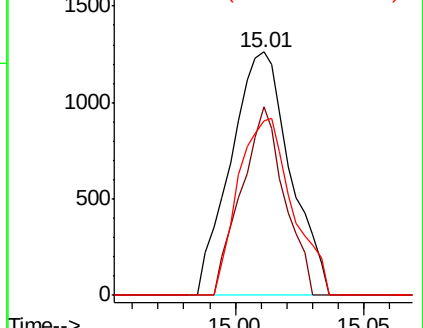
227 66.7 32.6 97.8



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.875 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN052103.D

Acq: 1 Nov 2018 15:14

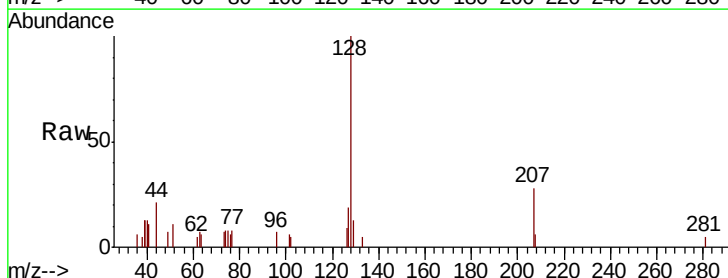
Tgt Ion:128 Resp: 5389

Ion Ratio Lower Upper

128 100

127 14.5 10.5 15.7

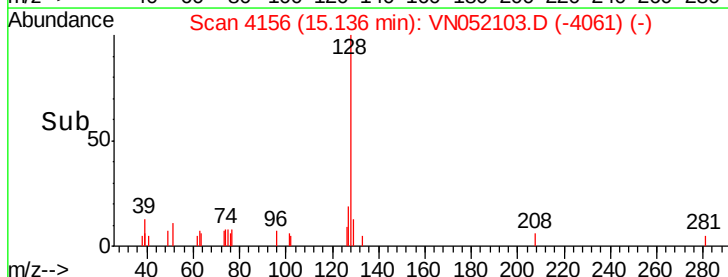
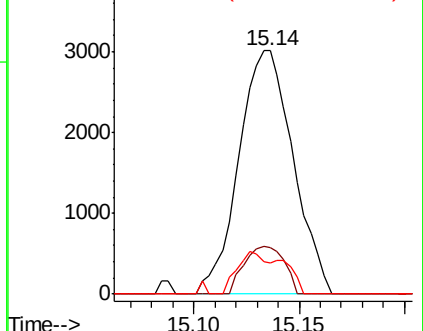
129 9.7 8.6 12.8

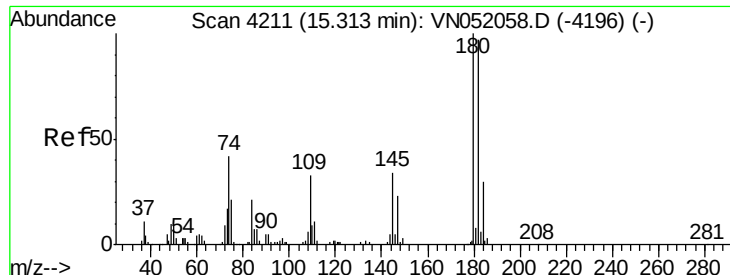


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.004 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN052103.D
 Acq: 1 Nov 2018 15:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBL02

Tgt Ion:180 Resp: 2128
 Ion Ratio Lower Upper
 180 100
 182 114.0 47.2 141.6
 145 30.7 16.6 49.7

