

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110618\
 Data File : VN052178.D
 Acq On : 6 Nov 2018 8:52
 Operator : MD\SY
 Sample : VN1106WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBL01

Quant Time: Nov 06 09:13:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 15:24:48 2018
 Response via : Initial Calibration

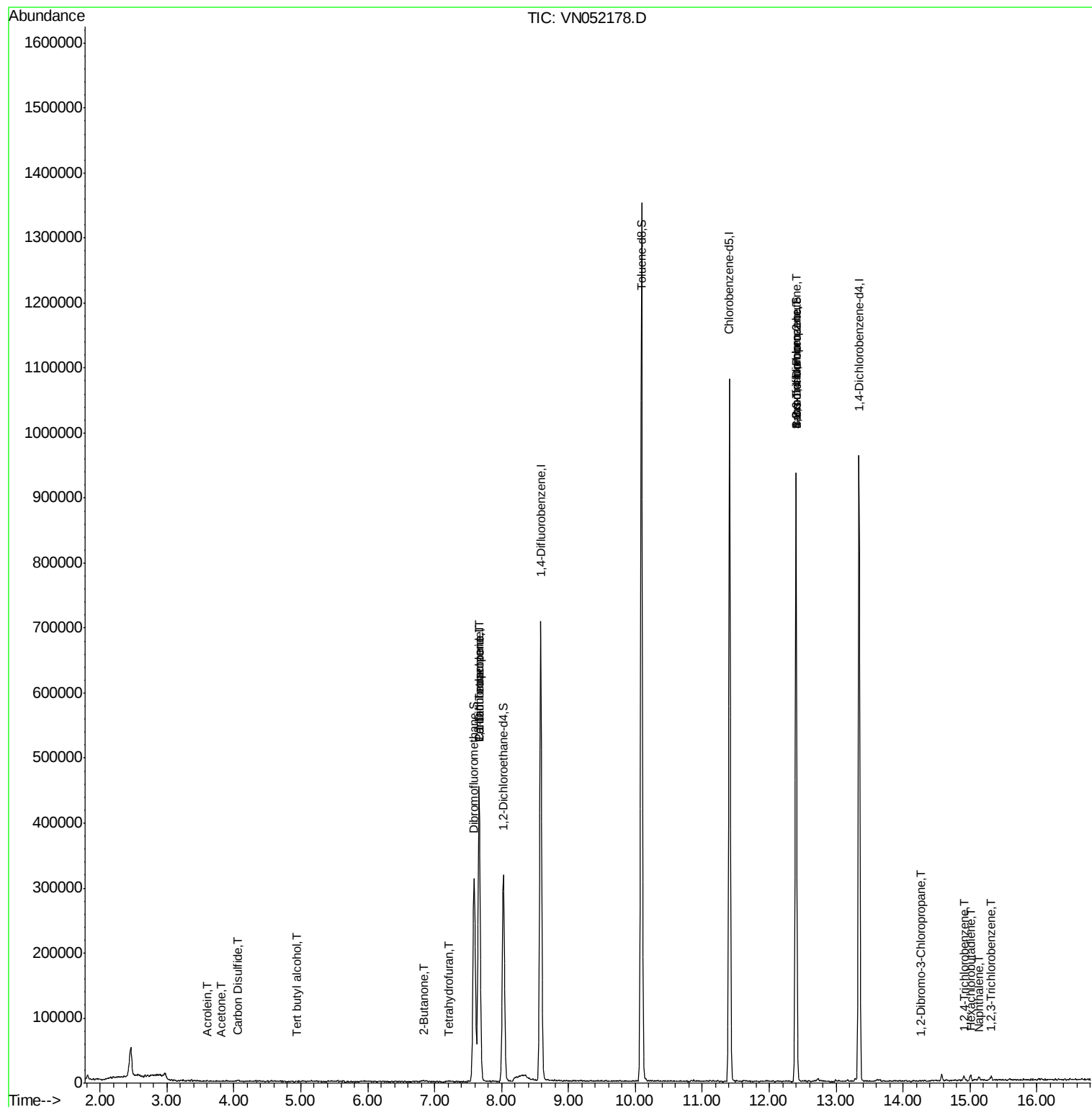
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	359682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	635396	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	600854	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	251617	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	261527	61.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.64%	
35) Dibromofluoromethane	7.59	113	241178	61.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	122.26%	
50) Toluene-d8	10.09	98	928573	60.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.76%	
62) 4-Bromofluorobenzene	12.40	95	307978	61.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.02%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.94	59	59	0.317	ug/l #	76
13) Acrolein	3.61	56	78	32.744	ug/l #	1
16) Acetone	3.82	43	720	0.745	ug/l #	44
17) Carbon Disulfide	4.06	76	2267	0.240	ug/l #	76
25) 2-Butanone	6.82	43	376	0.251	ug/l #	50
29) Tetrahydrofuran	7.22	42	603	0.650	ug/l #	91
31) Cyclohexane	7.66	56	3960	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	29968	5.332	ug/l #	48
38) Carbon Tetrachloride	7.67	117	37195	6.623	ug/l #	16
49) 1,4-Dioxane	9.09	88	32	Below Cal	#	1
71) Bromoform	12.40	173	3793	4.101	ug/l #	1
74) N-amyl acetate	12.06	43	218	Below Cal	#	55
76) 1,2,3-Trichloropropane	12.40	75	158828	47.757	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	158828	143.621	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.27	75	153	0.278	ug/l #	24
93) 1,2,4-Trichlorobenzene	14.91	180	2066	2.792	ug/l	79
94) Hexachlorobutadiene	15.00	225	1239	0.361	ug/l	89
95) Naphthalene	15.13	128	3991	0.518	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.31	180	1925	2.338	ug/l #	87

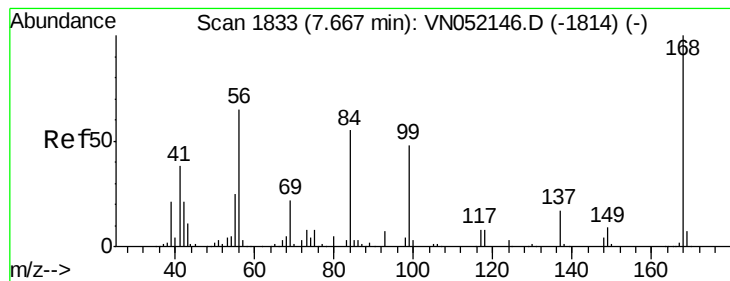
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 06 09:13:24 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 05 15:24:48 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: VN052178.D

Acq: 6 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampleId :

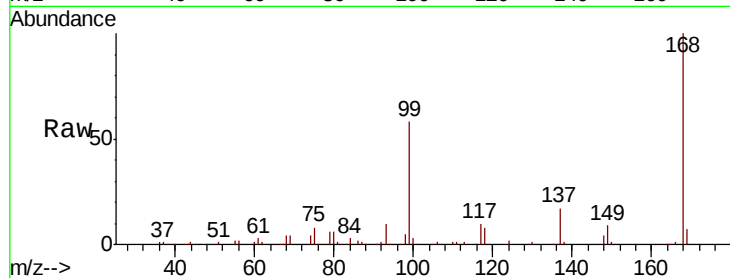
VN1106WBL01

Tgt Ion:168 Resp: 359682

Ion Ratio Lower Upper

168 100

99 57.6 56.6 85.0



Abundance Ion 167.90 (167.60 to 168.60): VN052146.D (-1814) (-)

Ion 98.90 (98.60 to 99.60): VN052146.D (-1814) (-)

7.67

150000

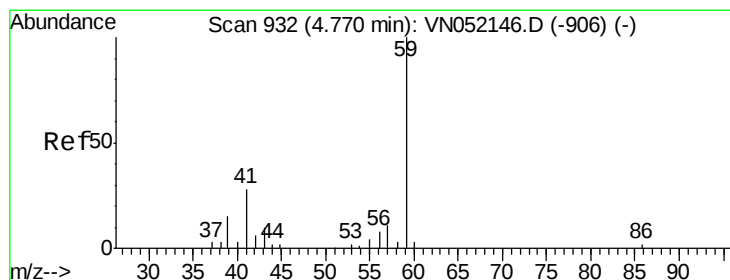
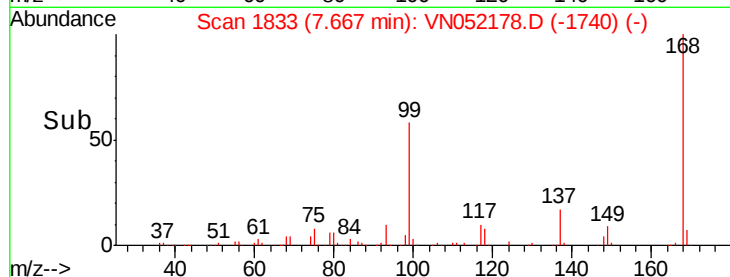
100000

50000

0

7.60 7.70

Time-->



#11

Tert butyl alcohol

Concen: 0.317 ug/l

RT: 4.94 min Scan# 984

Delta R.T. 0.17 min

Lab File: VN052178.D

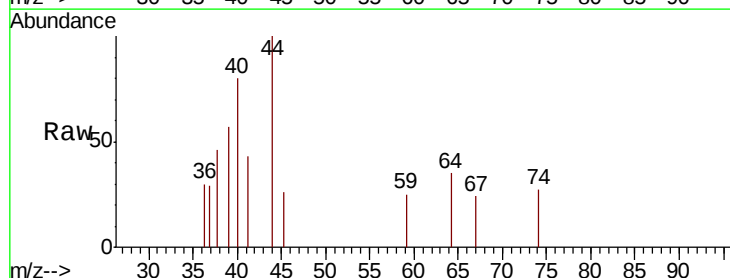
Acq: 6 Nov 2018 8:52

Tgt Ion: 59 Resp: 59

Ion Ratio Lower Upper

59 100

57 0.0 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VN052146.D (-906) (-)

Ion 57.00 (56.70 to 57.70): VN052146.D (-906) (-)

4.94

150

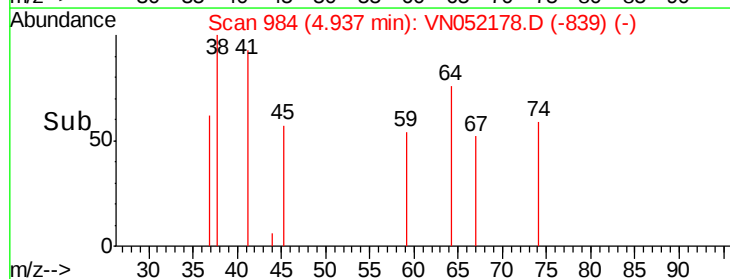
100

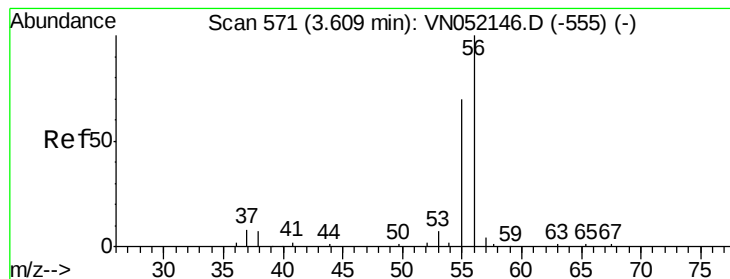
50

0

4.93 4.94 4.95

Time-->





#13

Acrolein

Concen: 32.744 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN052178.D

Acq: 6 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampled :

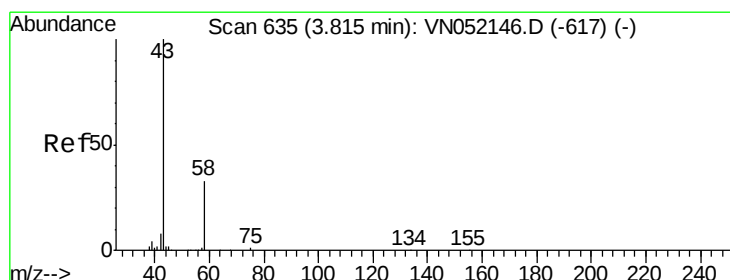
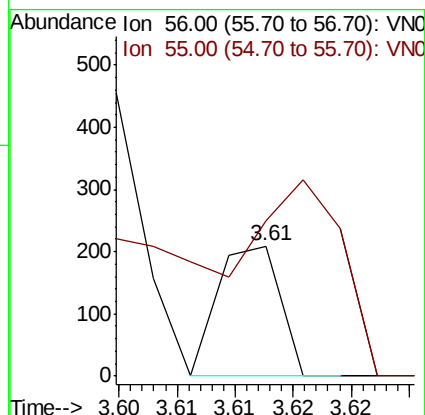
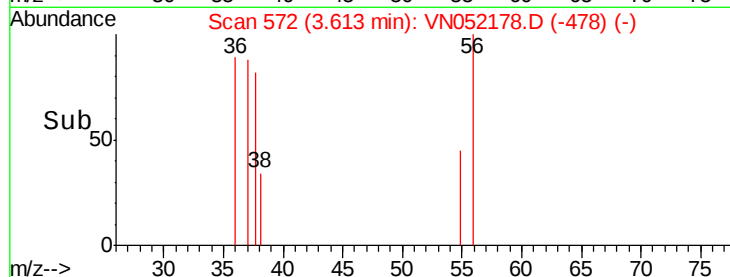
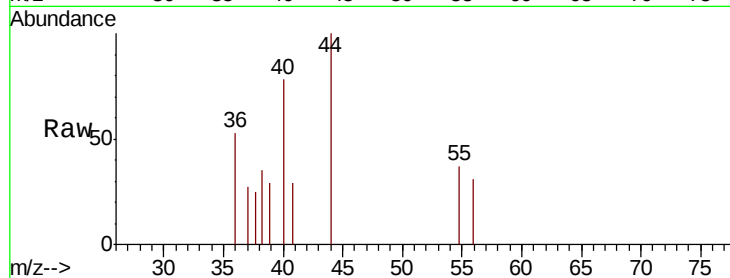
VN1106WBL01

Tgt Ion: 56 Resp: 78

Ion Ratio Lower Upper

56 100

55 197.4 59.9 89.9#



#16

Acetone

Concen: 0.745 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052178.D

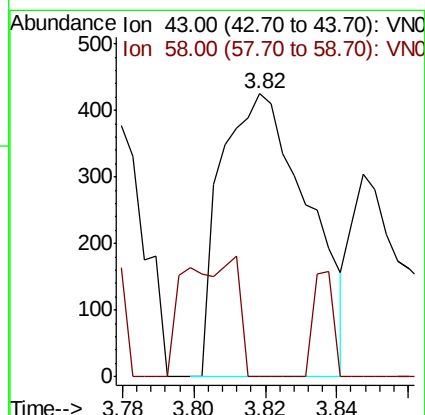
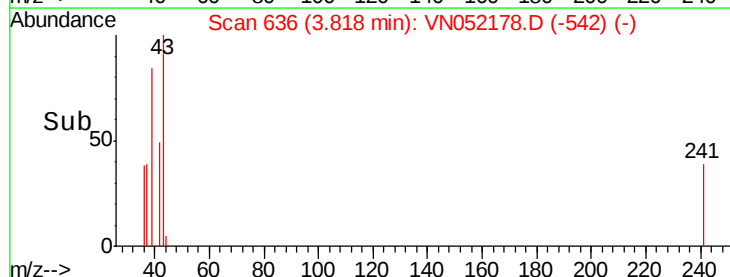
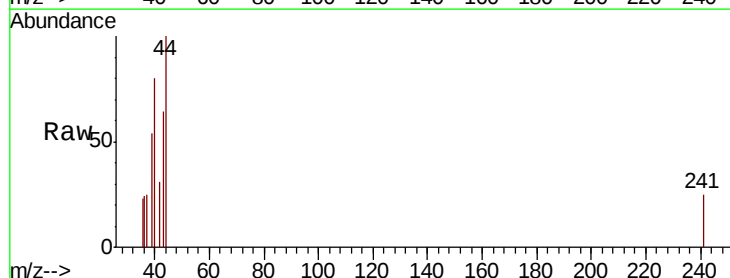
Acq: 6 Nov 2018 8:52

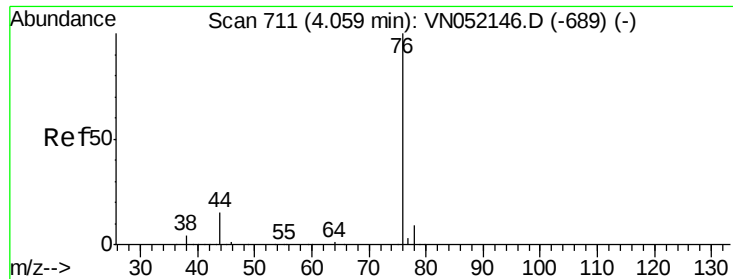
Tgt Ion: 43 Resp: 720

Ion Ratio Lower Upper

43 100

58 0.0 24.2 36.2#

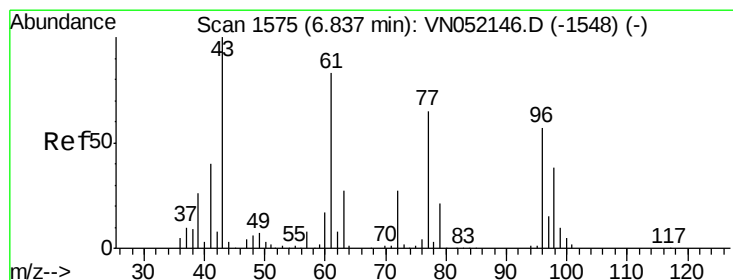
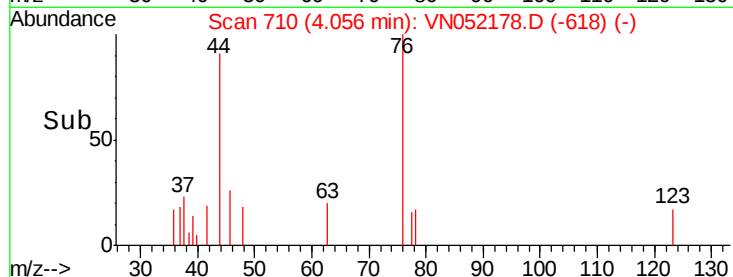
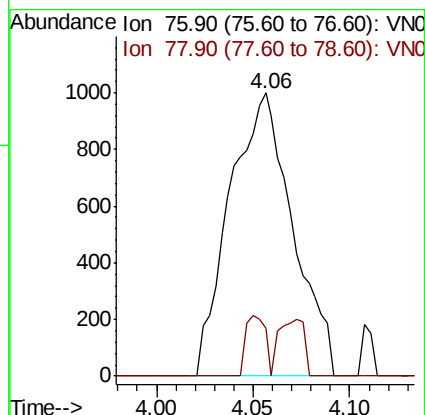
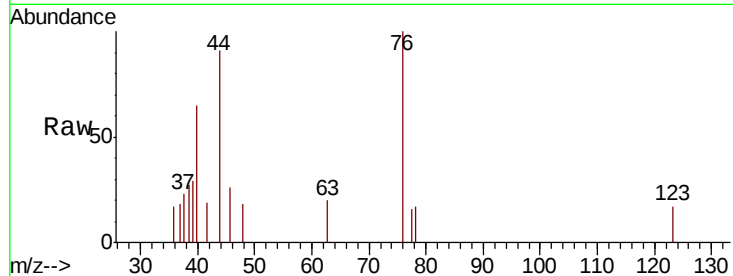




#17
Carbon Disulfide
Concen: 0.240 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052178.D
Acq: 6 Nov 2018 8:52

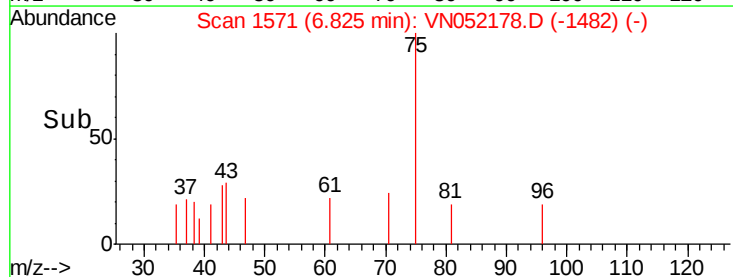
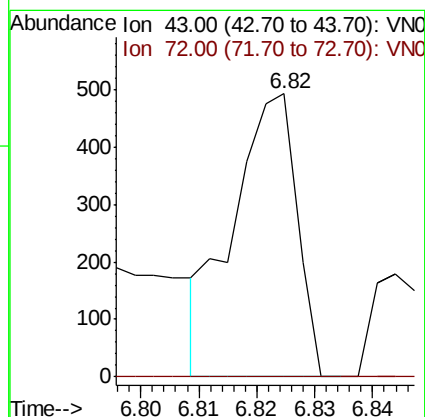
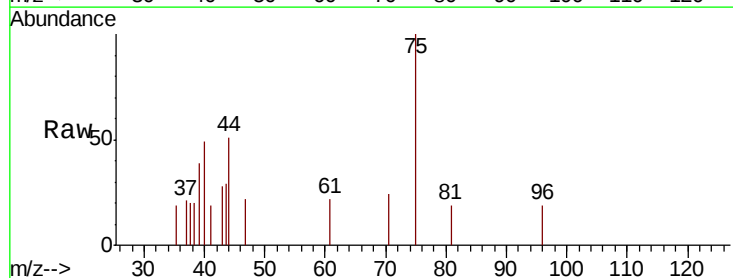
Instrument :
MSVOA_N
ClientSampled :
VN1106WBL01

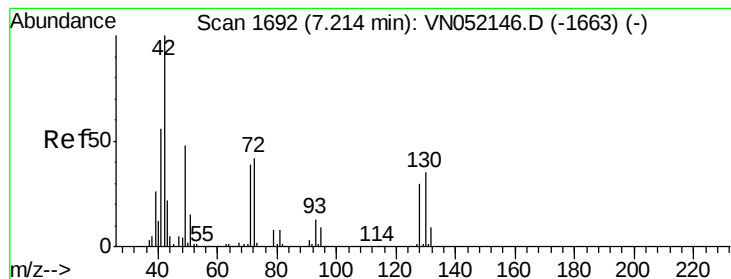
Tgt Ion: 76 Resp: 2267
Ion Ratio Lower Upper
76 100
78 16.9 6.8 10.2#



#25
2-Butanone
Concen: 0.251 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.01 min
Lab File: VN052178.D
Acq: 6 Nov 2018 8:52

Tgt Ion: 43 Resp: 376
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.2#





#29

Tetrahydrofuran

Concen: 0.650 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN052178.D

Acq: 6 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBL01

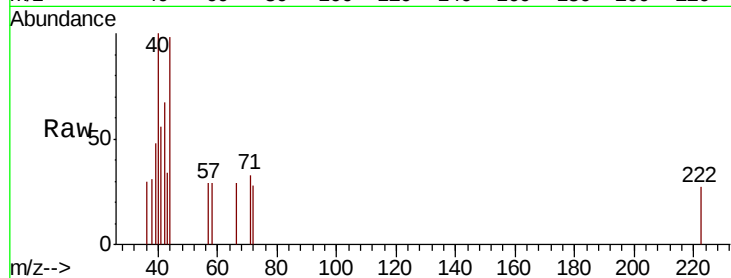
Tgt Ion: 42 Resp: 603

Ion Ratio Lower Upper

42 100

72 41.3 32.5 48.7

71 28.0 30.6 46.0#

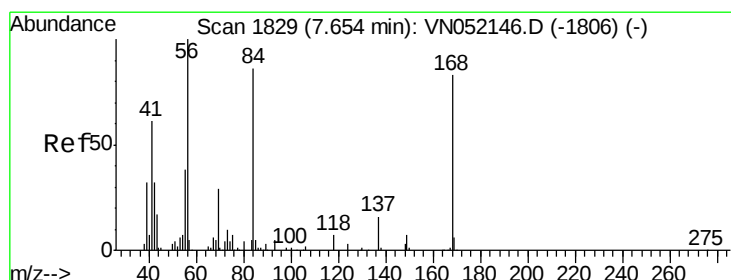
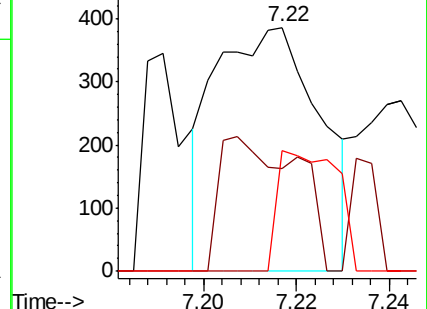
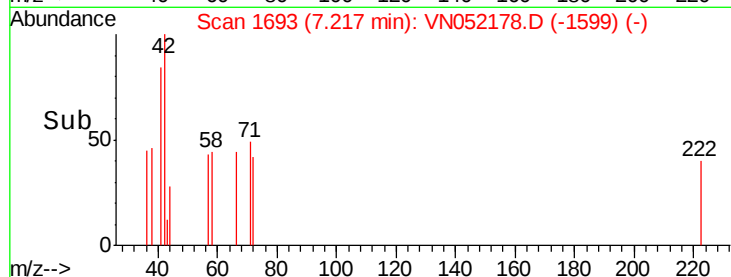


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

Time-->



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052178.D

Acq: 6 Nov 2018 8:52

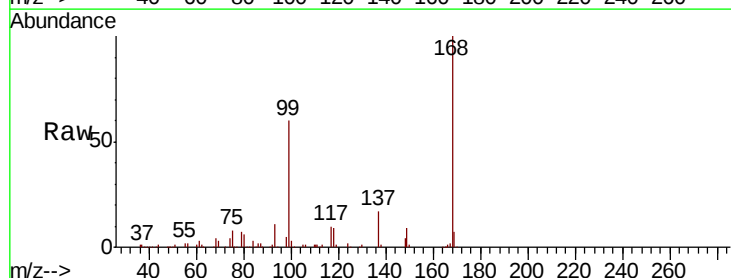
Tgt Ion: 56 Resp: 3960

Ion Ratio Lower Upper

56 100

69 155.2 25.8 38.6#

84 155.1 63.5 95.3#

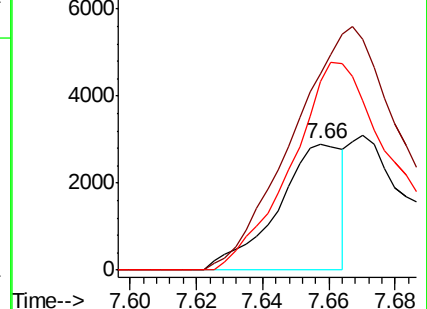
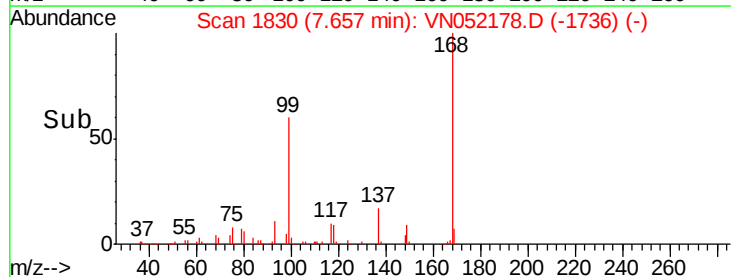


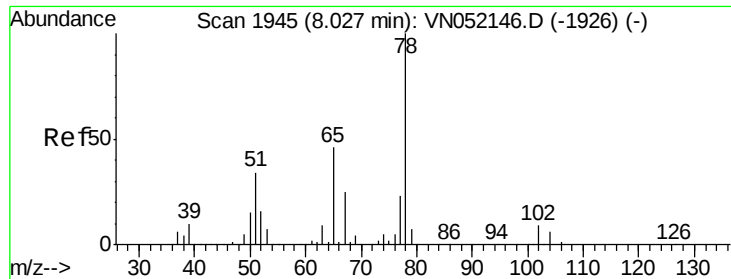
Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

Time-->

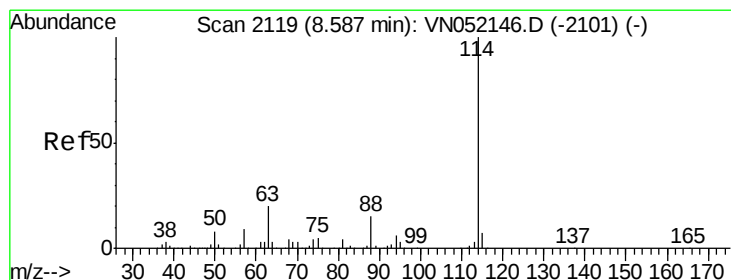
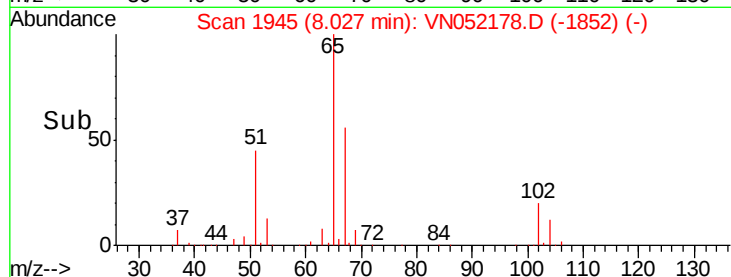
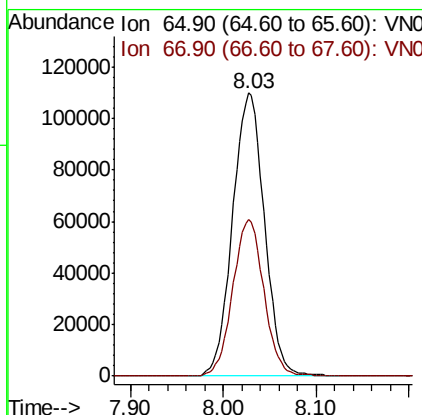
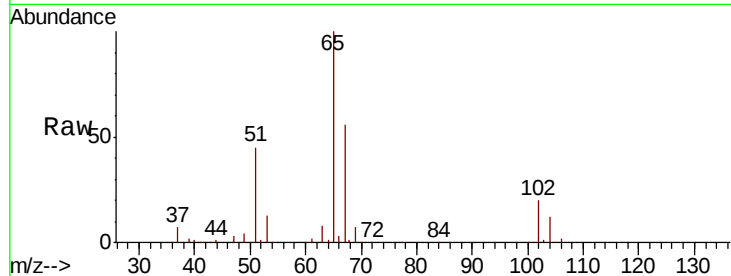




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052178.D
 Acq: 6 Nov 2018 8:52

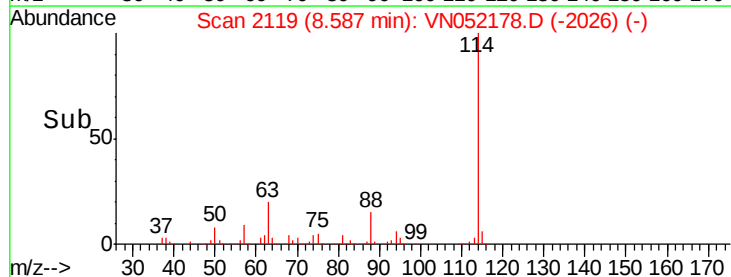
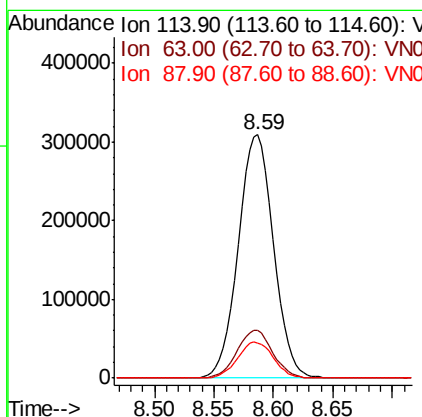
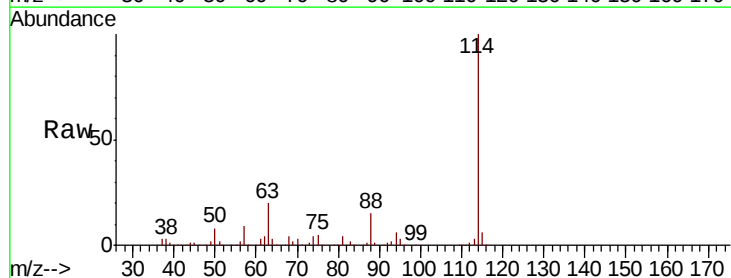
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBL01

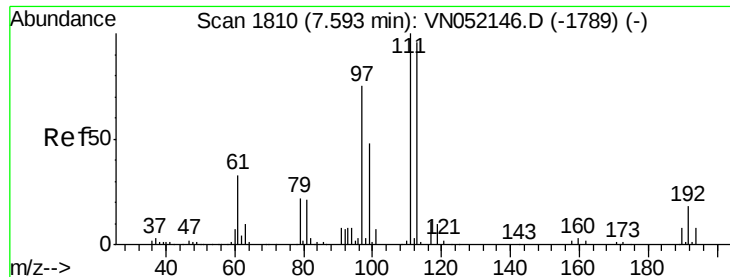
Tgt Ion: 65 Resp: 261527
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052178.D
 Acq: 6 Nov 2018 8:52

Tgt Ion: 114 Resp: 635396
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 46.0
 88 14.6 0.0 35.4

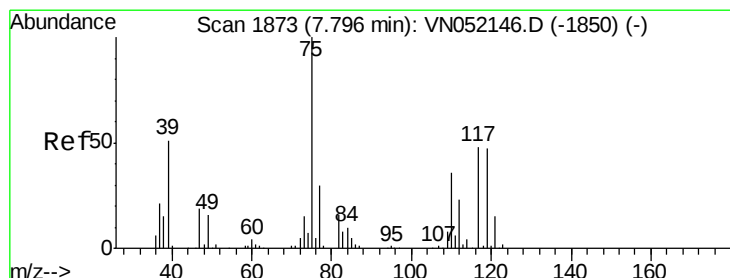
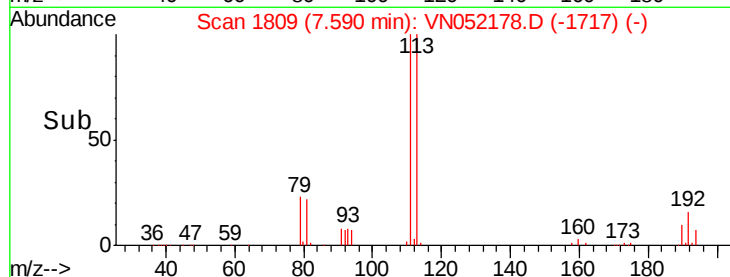
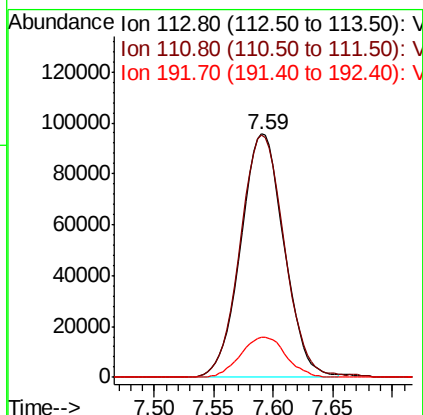
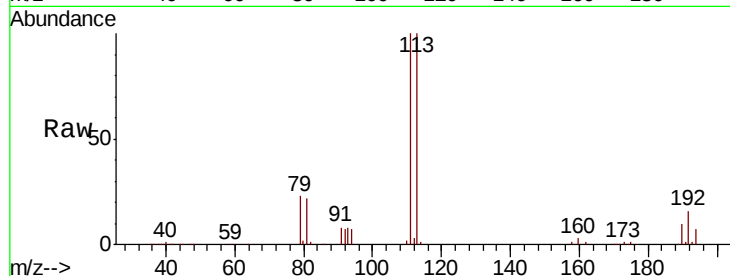




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052178.D
 Acq: 6 Nov 2018 8:52

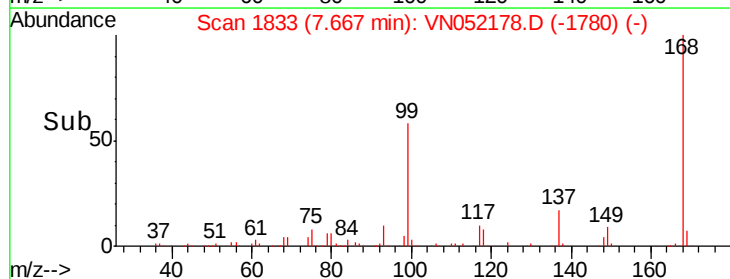
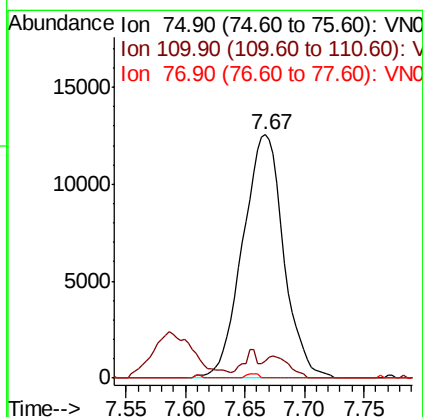
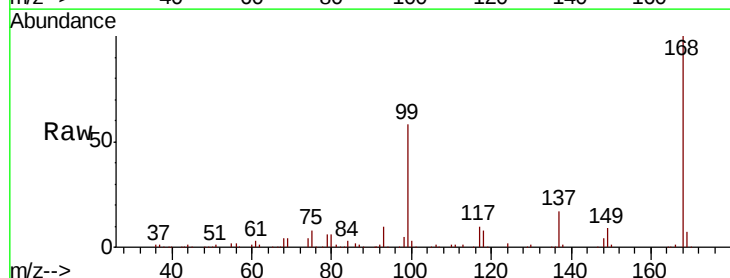
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBL01

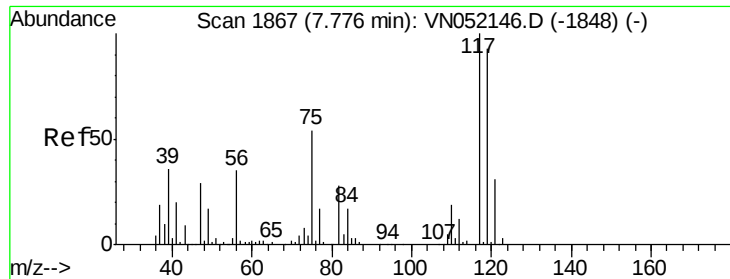
Tgt Ion: 113 Resp: 241178
 Ion Ratio Lower Upper
 113 100
 111 101.4 83.1 124.7
 192 17.2 12.7 19.1



#36
 1,1-Dichloropropene
 Concen: 5.332 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052178.D
 Acq: 6 Nov 2018 8:52

Tgt Ion: 75 Resp: 29968
 Ion Ratio Lower Upper
 75 100
 110 5.2 16.0 48.0#
 77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.623 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052178.D

Acq: 6 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampled :

VN1106WBL01

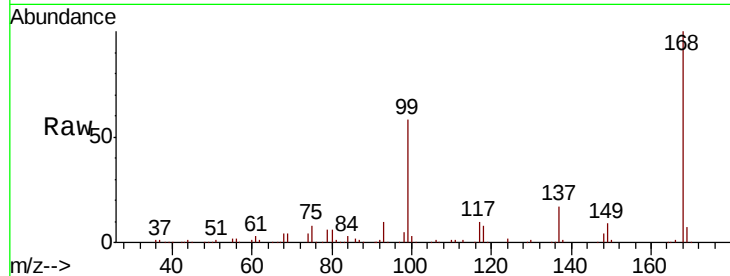
Tgt Ion:117 Resp: 37195

Ion Ratio Lower Upper

117 100

119 4.2 74.8 112.2#

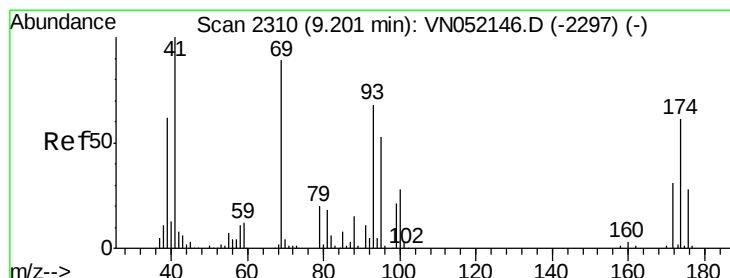
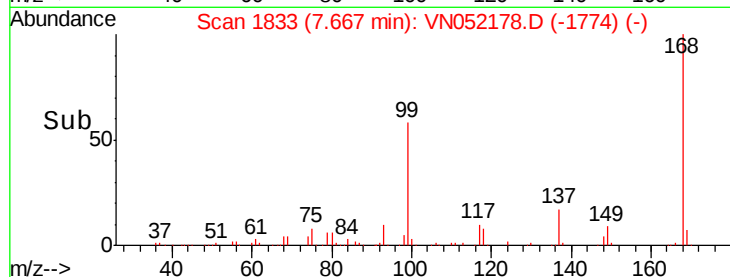
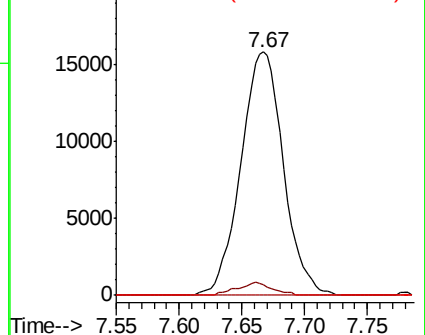
121 0.0 25.1 37.7#



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



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.09 min Scan# 2275

Delta R.T. -0.11 min

Lab File: VN052178.D

Acq: 6 Nov 2018 8:52

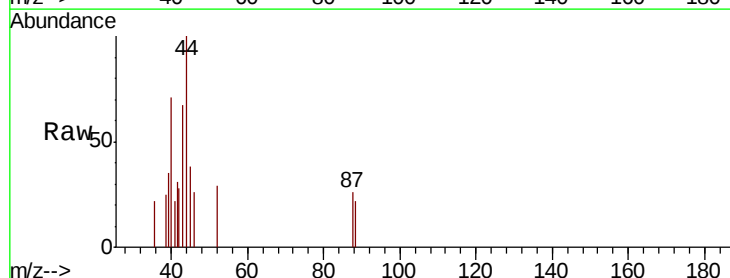
Tgt Ion: 88 Resp: 32

Ion Ratio Lower Upper

88 100

43 1821.9 34.1 51.1#

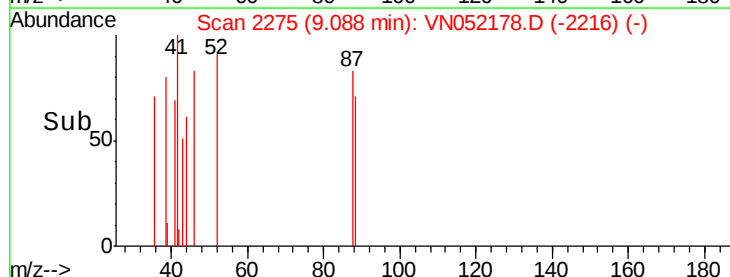
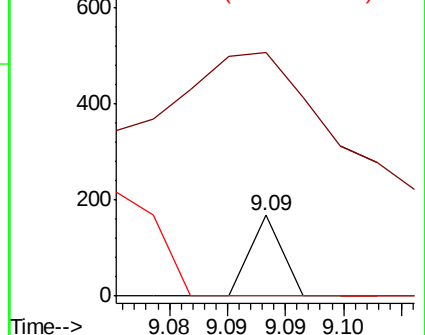
58 0.0 62.8 94.2#

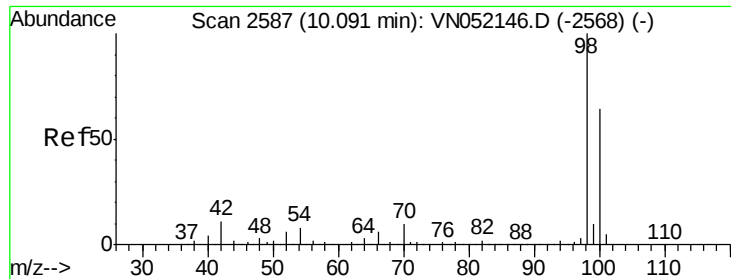


Abundance Ion 88.00 (87.70 to 88.70): V

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V





#50

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052178.D

Acq: 6 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampleId :

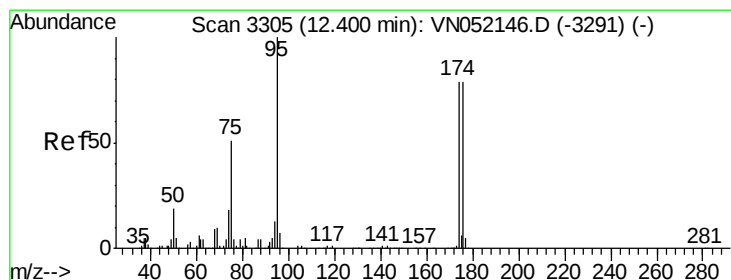
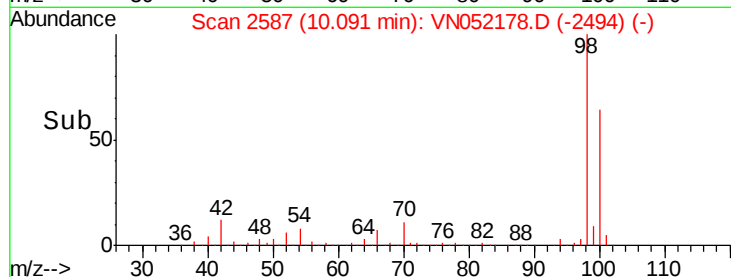
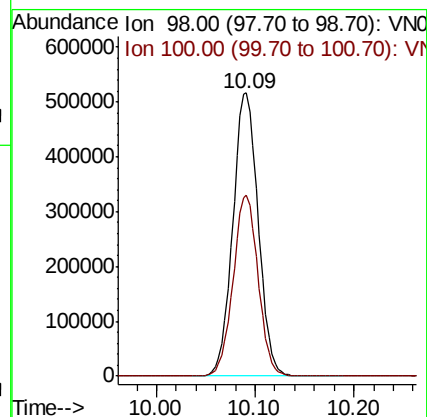
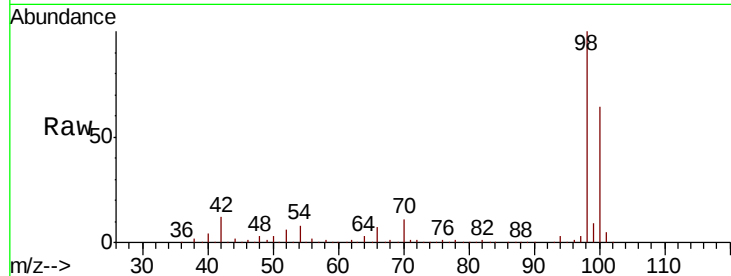
VN1106WBL01

Tgt Ion: 98 Resp: 928573

Ion Ratio Lower Upper

98 100

100 62.9 51.4 77.2



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052178.D

Acq: 6 Nov 2018 8:52

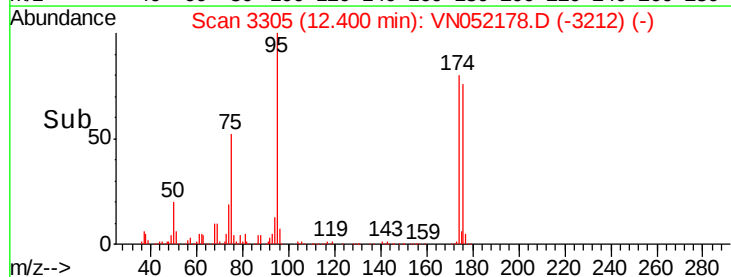
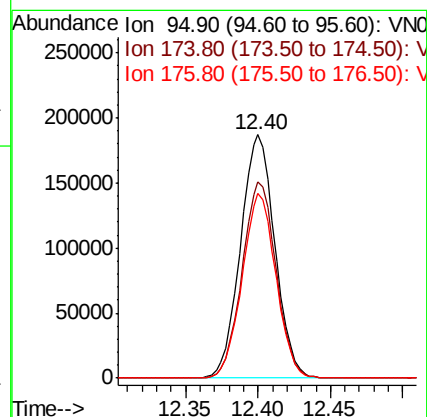
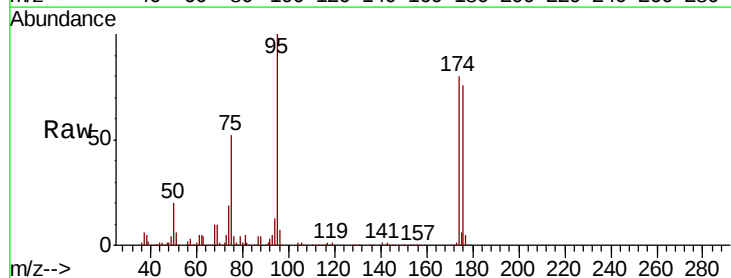
Tgt Ion: 95 Resp: 307978

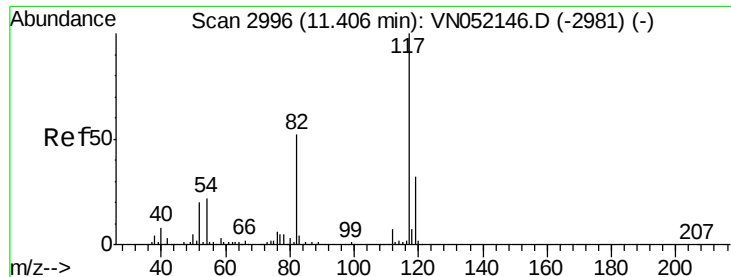
Ion Ratio Lower Upper

95 100

174 79.9 0.0 131.8

176 74.6 0.0 126.0

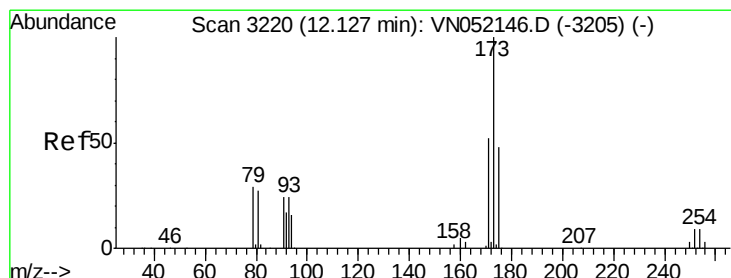
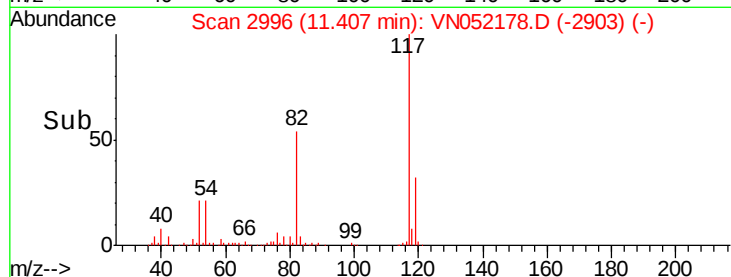
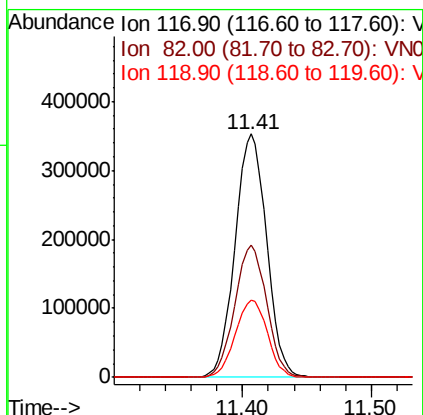
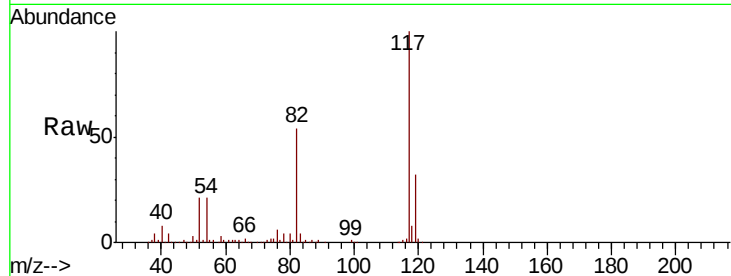




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052178.D
Acq: 6 Nov 2018 8:52

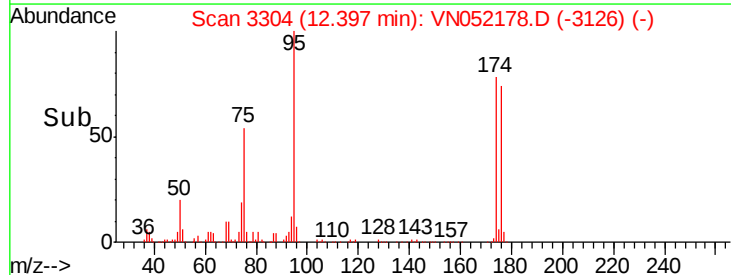
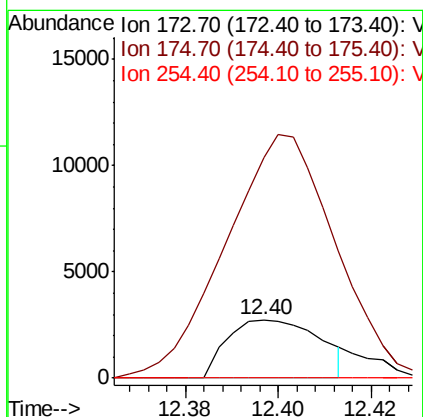
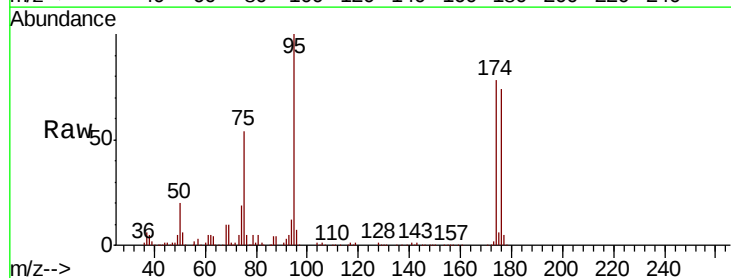
Instrument :
MSVOA_N
ClientSampleId :
VN1106WBL01

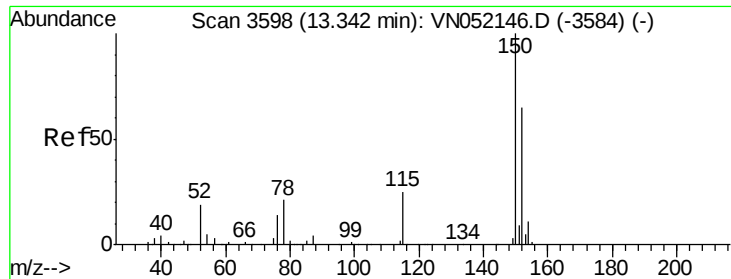
Tgt Ion:117 Resp: 600854
Ion Ratio Lower Upper
117 100
82 54.4 49.9 74.9
119 31.8 25.7 38.5



#71
Bromoform
Concen: 4.101 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN052178.D
Acq: 6 Nov 2018 8:52

Tgt Ion:173 Resp: 3793
Ion Ratio Lower Upper
173 100
175 447.8 23.9 71.7#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052178.D

Acq: 6 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBL01

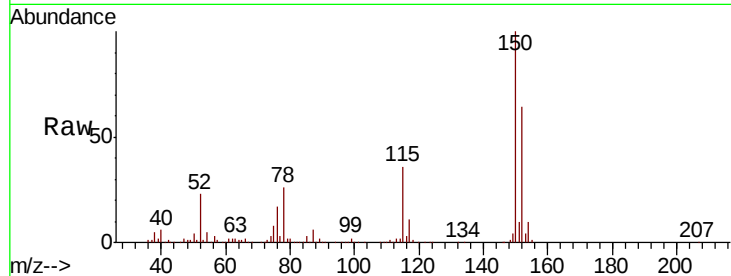
Tgt Ion:152 Resp: 251617

Ion Ratio Lower Upper

152 100

115 56.9 31.6 95.0

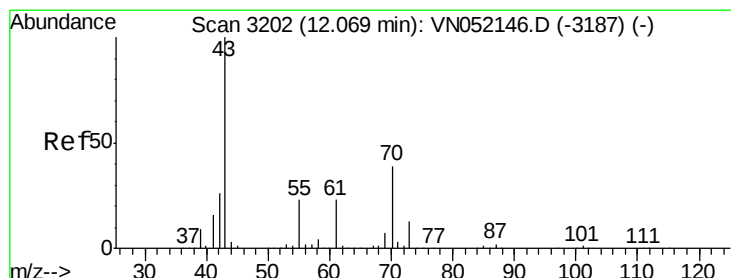
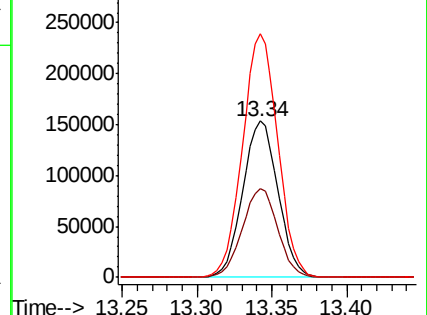
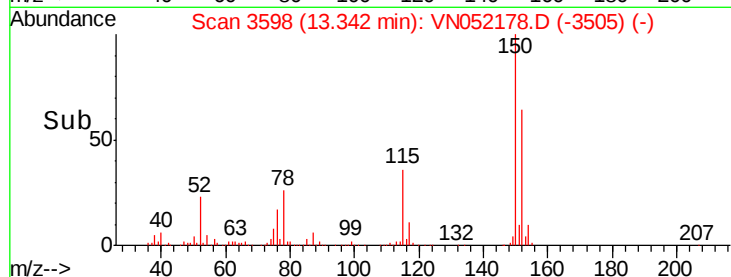
150 155.3 0.0 345.0



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



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.06 min Scan# 3200

Delta R.T. -0.01 min

Lab File: VN052178.D

Acq: 6 Nov 2018 8:52

Tgt Ion: 43 Resp: 218

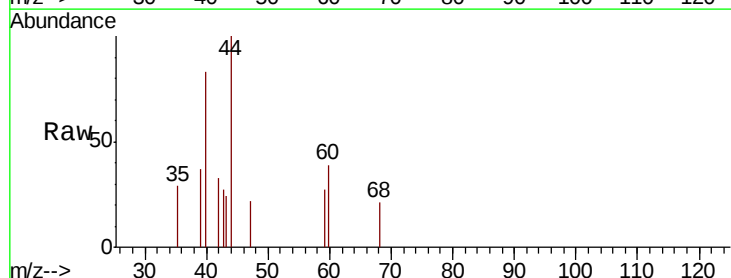
Ion Ratio Lower Upper

43 100

70 14.2 31.9 47.9#

55 0.0 18.4 27.6#

61 0.0 18.2 27.4#

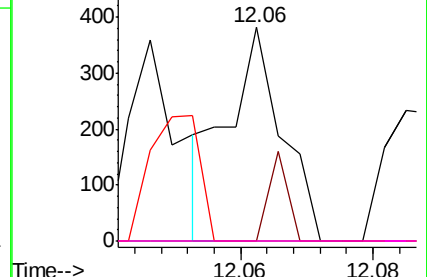
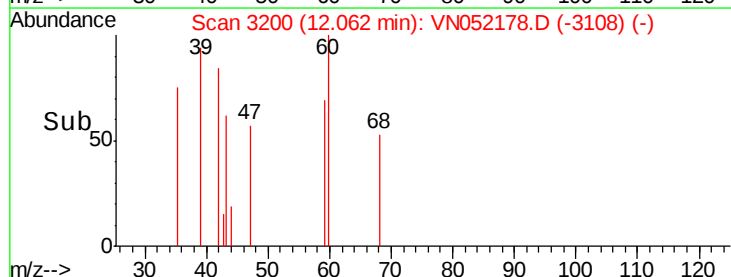


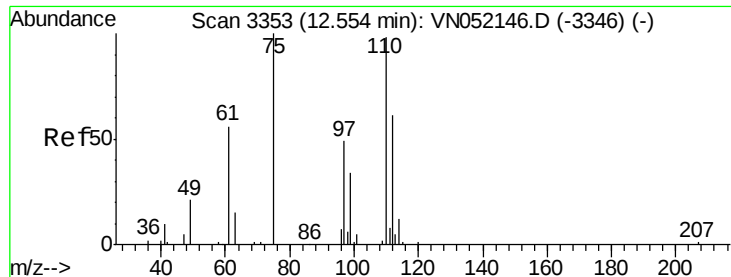
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#76

1,2,3-Trichloropropane

Concen: 47.757 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052178.D

Acq: 6 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampled :

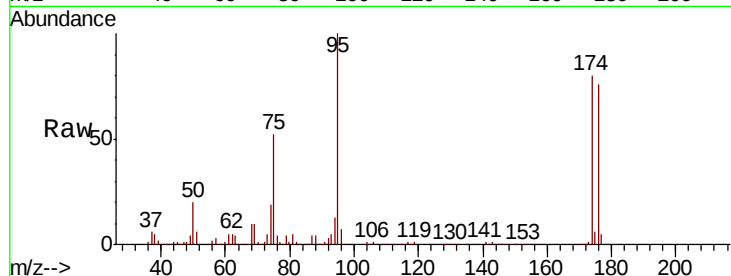
VN1106WBL01

Tgt Ion: 75 Resp: 158828

Ion Ratio Lower Upper

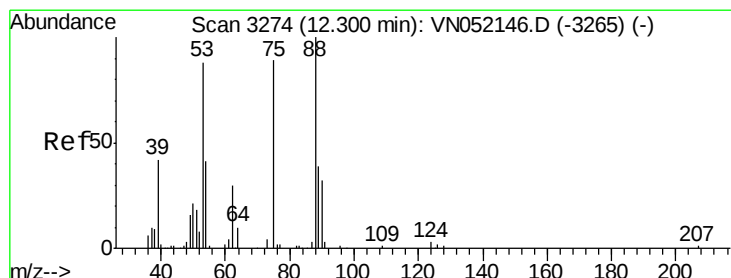
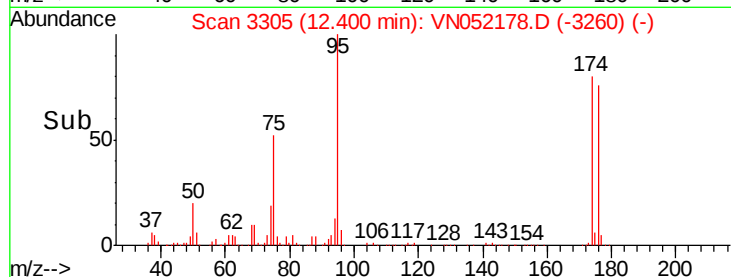
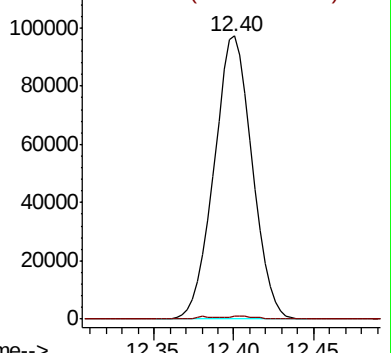
75 100

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: 143.621 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052178.D

Acq: 6 Nov 2018 8:52

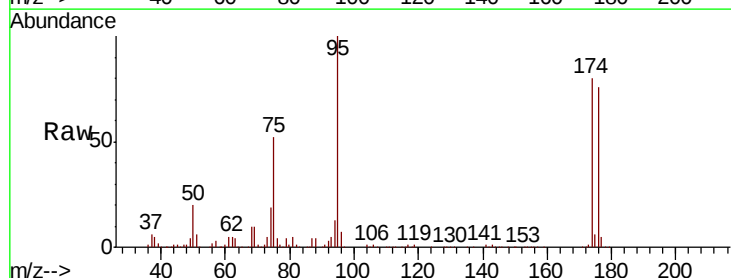
Tgt Ion: 75 Resp: 158828

Ion Ratio Lower Upper

75 100

53 0.0 81.8 122.6#

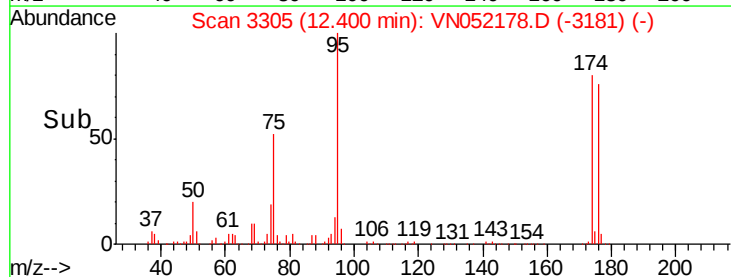
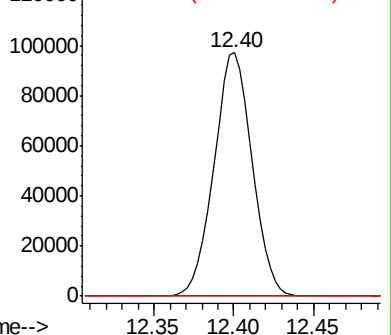
89 0.0 36.6 54.8#

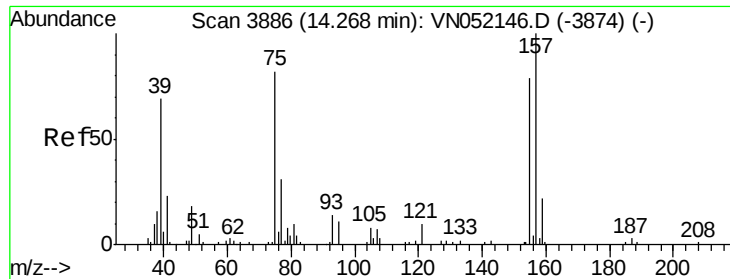


Abundance Ion 74.90 (74.60 to 75.60): VN0

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: 0.278 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN052178.D

Acq: 6 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampleId :

VN1106WBL01

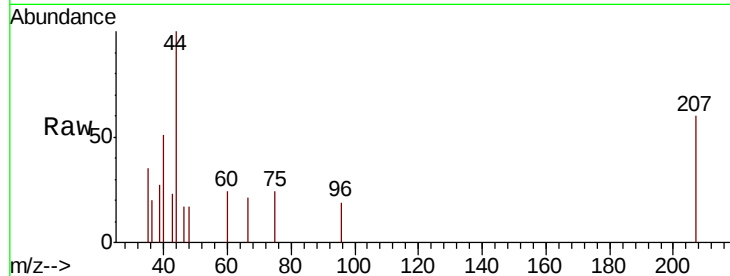
Tgt Ion: 75 Resp: 153

Ion Ratio Lower Upper

75 100

155 0.0 34.0 102.0#

157 21.6 42.1 126.4#



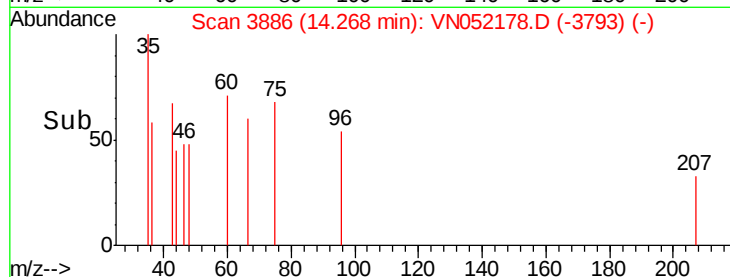
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

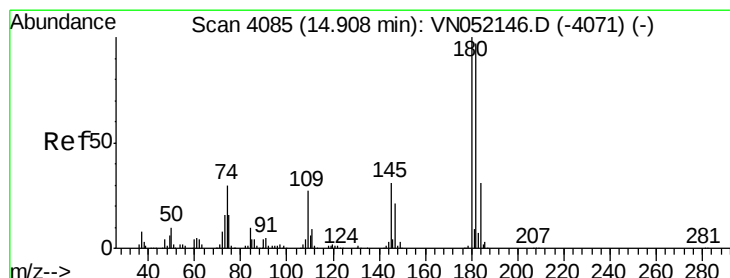
Ion 156.80 (156.50 to 157.50): V

14.27

14.28



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 2.792 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN052178.D

Acq: 6 Nov 2018 8:52

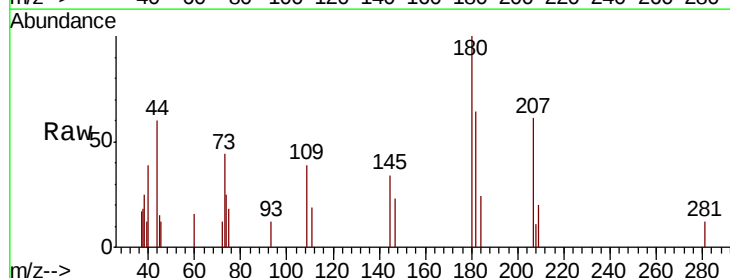
Tgt Ion: 180 Resp: 2066

Ion Ratio Lower Upper

180 100

182 77.7 49.1 147.4

145 44.5 16.4 49.2



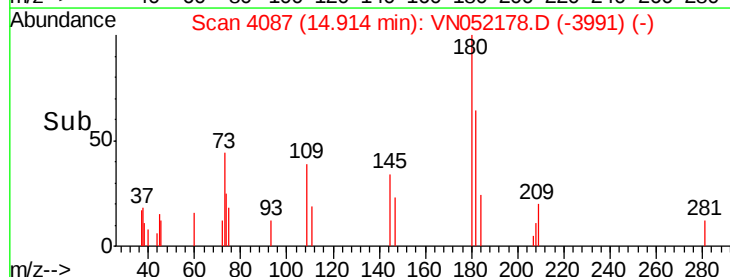
Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

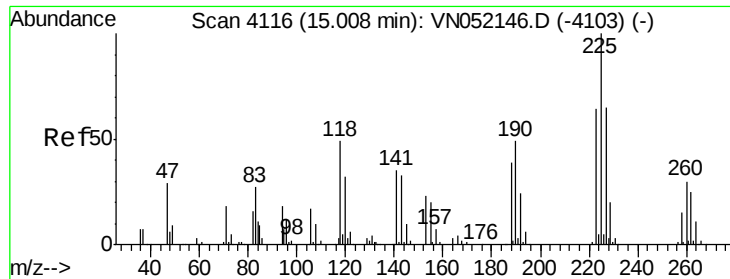
Ion 144.80 (144.50 to 145.50): V

14.91

14.95



Time-->



#94

Hexachlorobutadiene

Concen: 0.361 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VN052178.D

Acq: 6 Nov 2018 8:52

Instrument :

MSVOA_N

ClientSampled :

VN1106WBL01

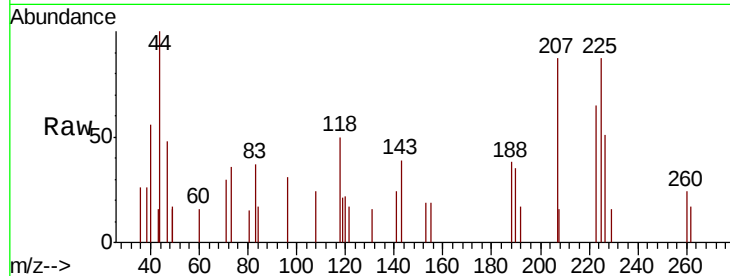
Tgt Ion:225 Resp: 1239

Ion Ratio Lower Upper

225 100

223 74.8 33.1 99.3

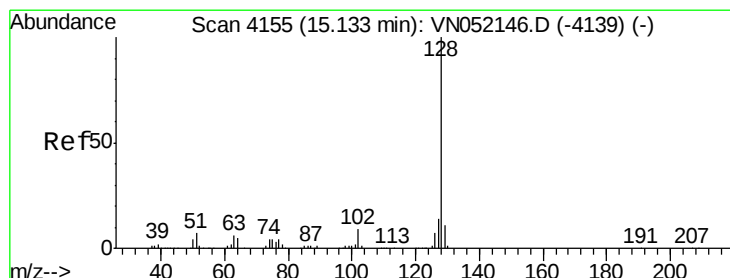
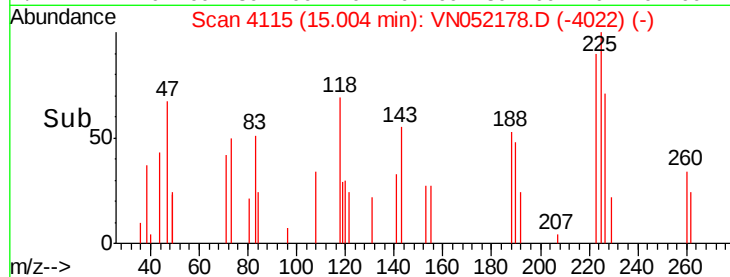
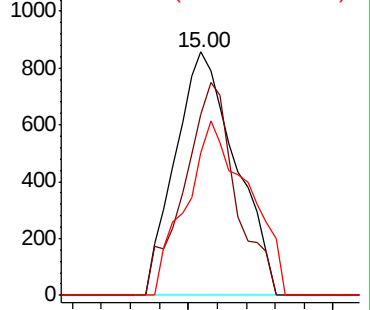
227 74.1 32.6 97.8



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: 0.518 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN052178.D

Acq: 6 Nov 2018 8:52

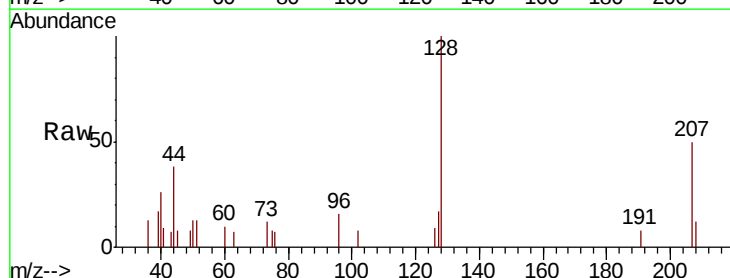
Tgt Ion:128 Resp: 3991

Ion Ratio Lower Upper

128 100

127 14.6 10.5 15.7

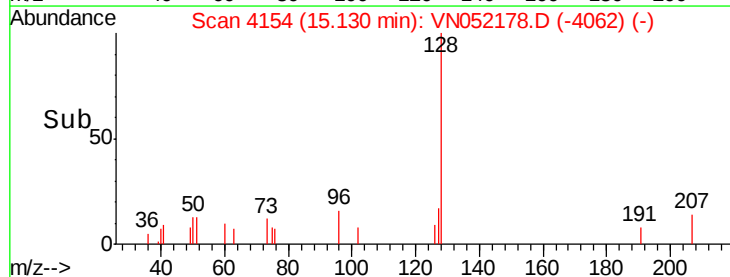
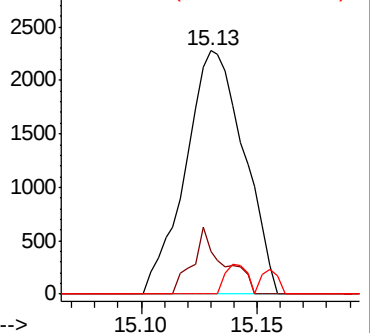
129 4.5 8.6 12.8#

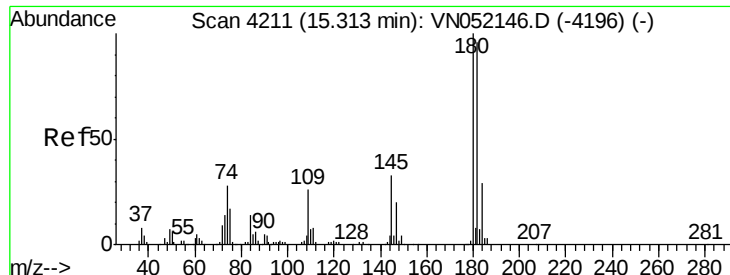


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

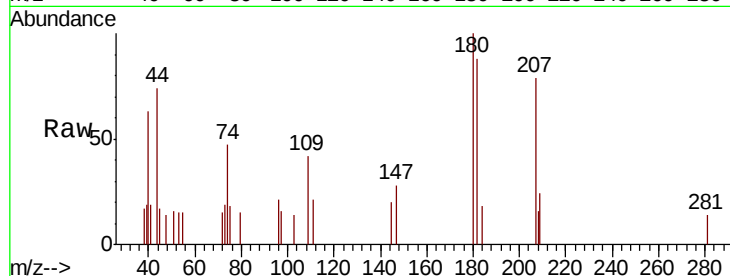




#96
 1,2,3-Trichlorobenzene
 Concen: 2.338 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN052178.D
 Acq: 6 Nov 2018 8:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.2	141.6
145	9.3	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

