

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100918\
 Data File : VN051753.D
 Acq On : 9 Oct 2018 17:18
 Operator : MD\SY
 Sample : VN1009WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBL02

Quant Time: Oct 10 03:31:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 06:03:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	787436	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1124740	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	989878	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	362631	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	462121	44.42	ug/l	0.00
Spiked Amount			Recovery	=	88.84%	
35) Dibromofluoromethane	7.59	113	422984	48.64	ug/l	0.00
Spiked Amount			Recovery	=	97.28%	
50) Toluene-d8	10.09	98	1614230	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
62) 4-Bromofluorobenzene	12.40	95	453291	39.47	ug/l	0.00
Spiked Amount			Recovery	=	78.94%	

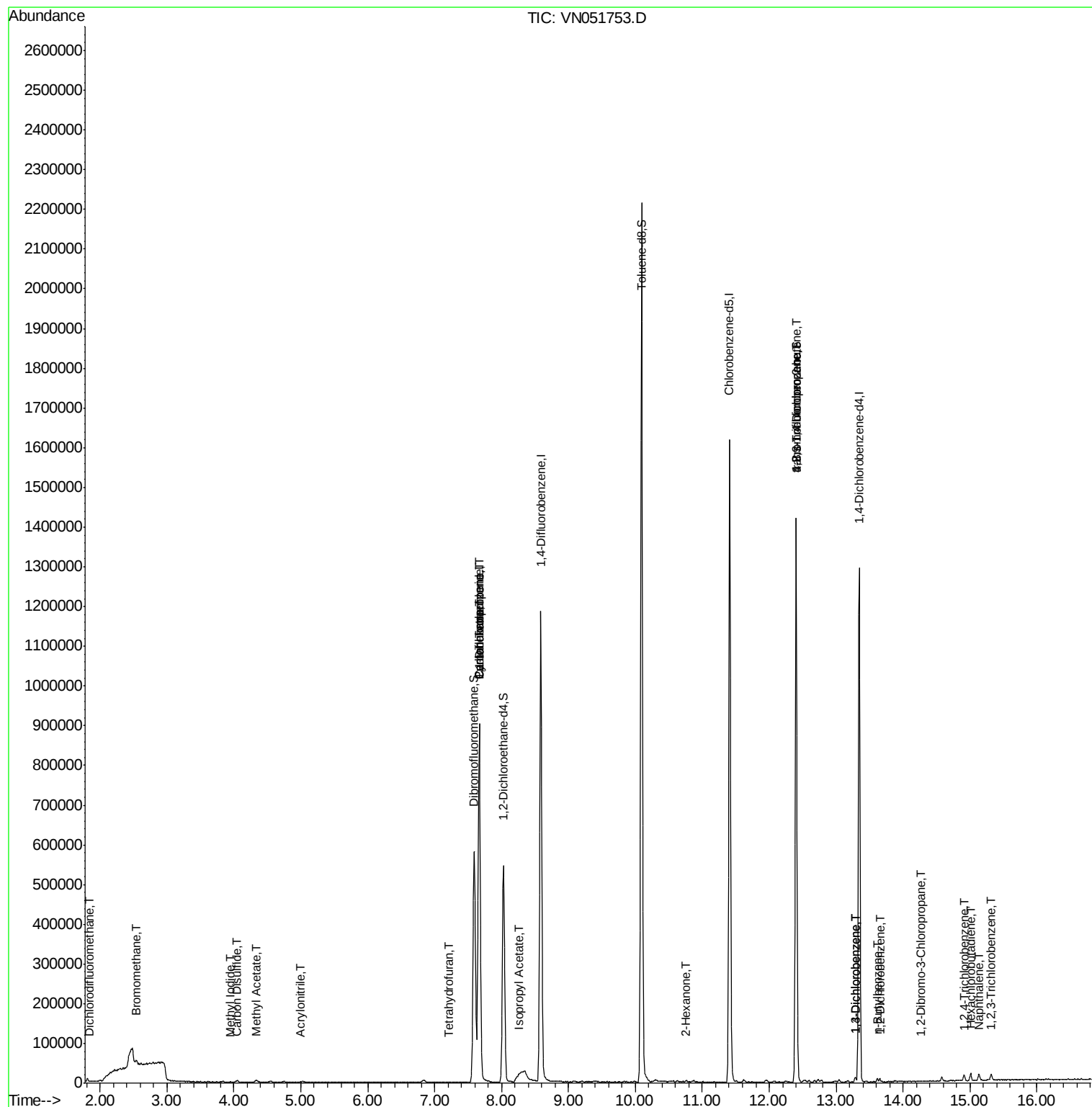
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	96	1.159	ug/l #	42
5) Bromomethane	2.54	94	3290	0.302	ug/l #	61
7) Trichlorofluoromethane	3.01	101	313	Below Cal		90
10) Methyl Iodide	3.95	142	236	2.360	ug/l #	41
13) Acrolein	3.61	56	104	Below Cal	#	1
15) Acrylonitrile	5.00	53	745	0.305	ug/l #	68
16) Acetone	3.81	43	1007	Below Cal	#	44
17) Carbon Disulfide	4.05	76	6799	0.305	ug/l	97
18) Methyl Acetate	4.33	43	9522	1.658	ug/l #	77
29) Tetrahydrofuran	7.22	42	687	0.373	ug/l #	52
31) Cyclohexane	7.67	56	15056	1.066	ug/l #	27
36) 1,1-Dichloropropene	7.66	75	51241	4.359	ug/l #	49
38) Carbon Tetrachloride	7.67	117	72981	5.173	ug/l #	15
41) Methacrylonitrile	7.19	41	500	Below Cal	#	29
43) Isopropyl Acetate	8.26	43	19347	1.513	ug/l #	59
59) 2-Hexanone	10.76	43	2485	0.565	ug/l	95
74) N-amyl acetate	12.08	43	2445	Below Cal	#	83
75) 1,1,2,2-Tetrachloroethane	12.50	83	526	Below Cal	#	77
76) 1,2,3-Trichloropropane	12.40	75	240232	53.613	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	240232	121.775	ug/l #	14
87) 1,3-Dichlorobenzene	13.28	146	3367	0.256	ug/l	89
88) 1,4-Dichlorobenzene	13.28	146	3367	0.260	ug/l	88
89) n-Butylbenzene	13.62	91	5123	0.237	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	3204	0.245	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.27	75	365	0.336	ug/l	68
93) 1,2,4-Trichlorobenzene	14.91	180	4784	0.821	ug/l #	91
94) Hexachlorobutadiene	15.01	225	2489	0.630	ug/l	81
95) Naphthalene	15.14	128	12714	1.011	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	5628	0.981	ug/l	95

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051753.D

Acq: 9 Oct 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

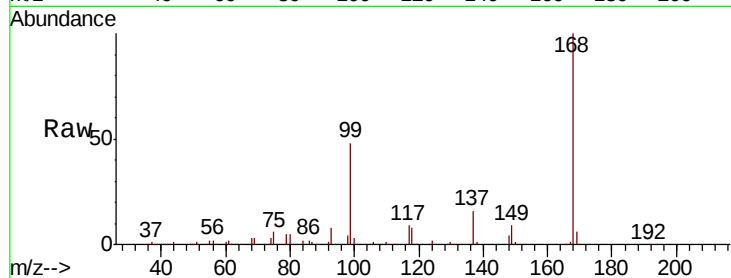
VN1009WBL02

Tot Ion:168 Resp: 787436

Ion Ratio Lower Upper

168 100

99 48.2 40.4 60.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

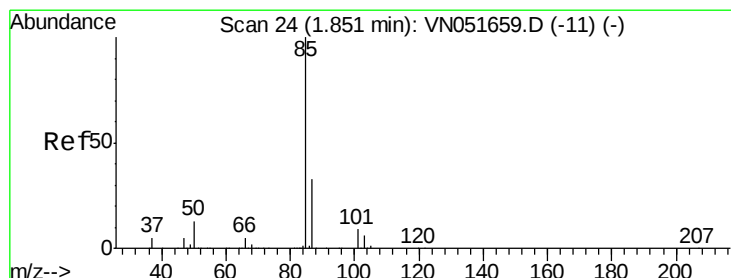
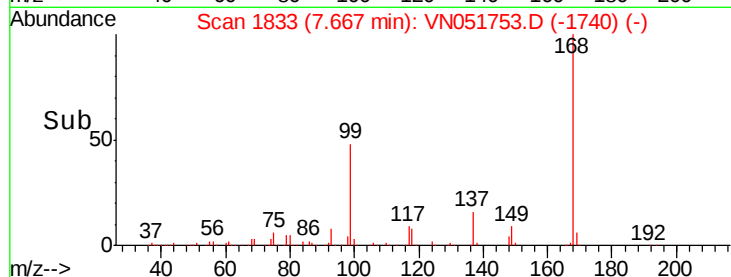
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.159 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051753.D

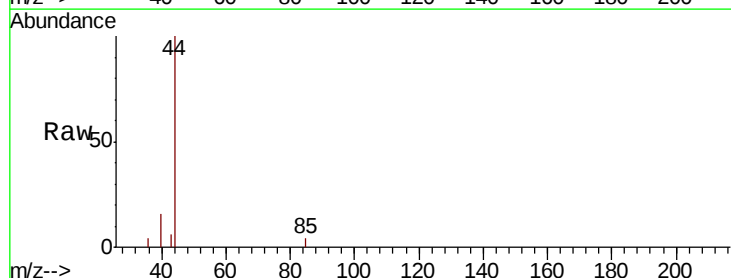
Acq: 9 Oct 2018 17:18

Tgt Ion: 85 Resp: 96

Ion Ratio Lower Upper

85 100

87 0.0 16.4 49.4#



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

200

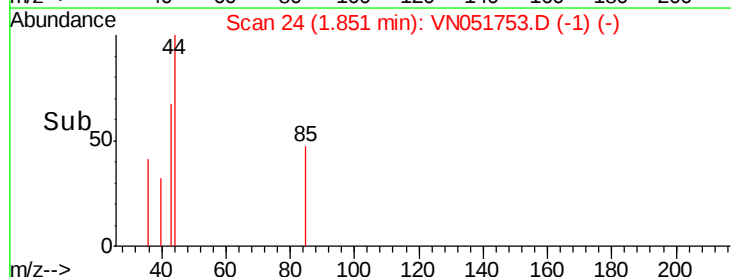
150

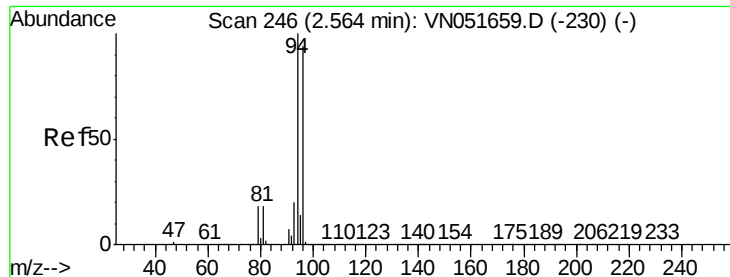
100

50

0

Time-->





#5

Bromomethane

Concen: 0.302 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.03 min

Lab File: VN051753.D

Acq: 9 Oct 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

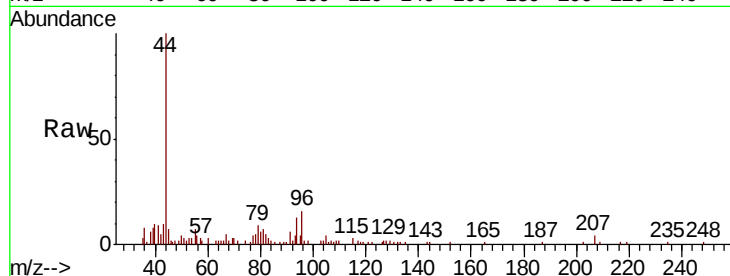
VN1009WBL02

Tot Ion: 94 Resp: 3290

Ion Ratio Lower Upper

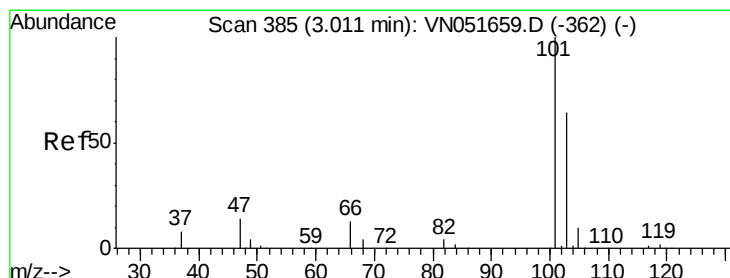
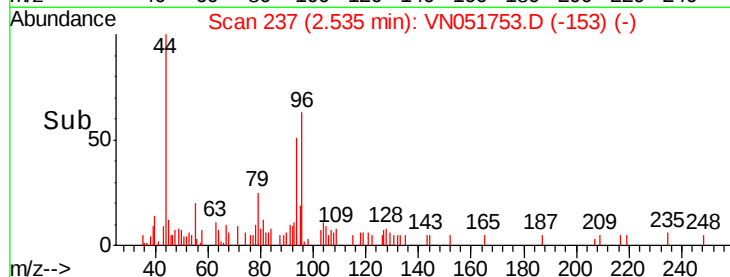
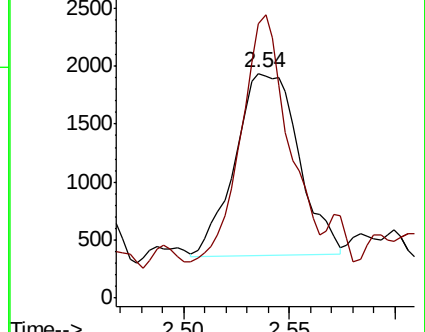
94 100

96 131.5 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 3.01 min Scan# 385

Delta R.T. 0.00 min

Lab File: VN051753.D

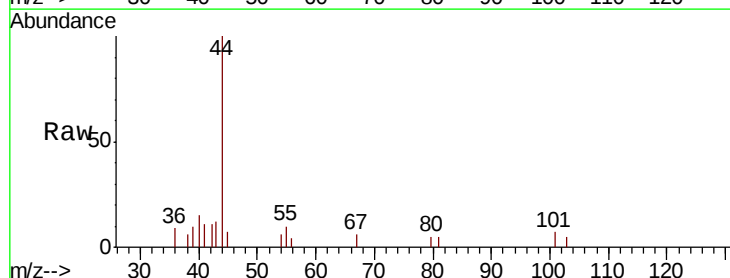
Acq: 9 Oct 2018 17:18

Tgt Ion: 101 Resp: 313

Ion Ratio Lower Upper

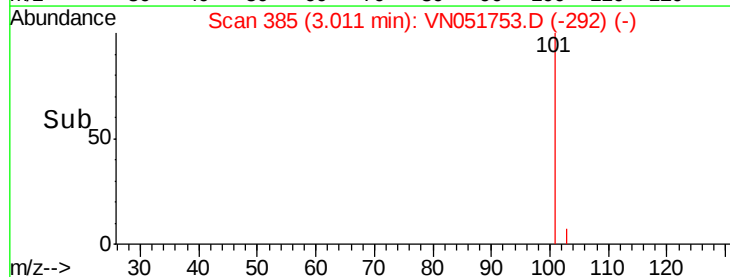
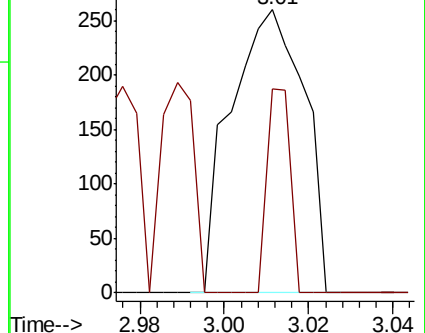
101 100

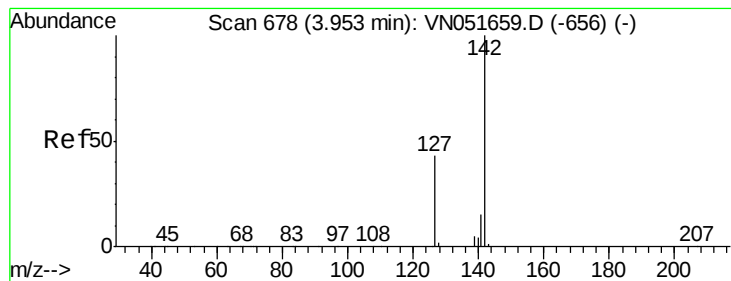
103 71.9 51.1 76.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#10

Methvl Iodide

Concen: 2.360 ug/l

RT: 3.95 min Scan# 677

Delta R.T. -0.00 min

Lab File: VN051753.D

Acq: 9 Oct 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBL02

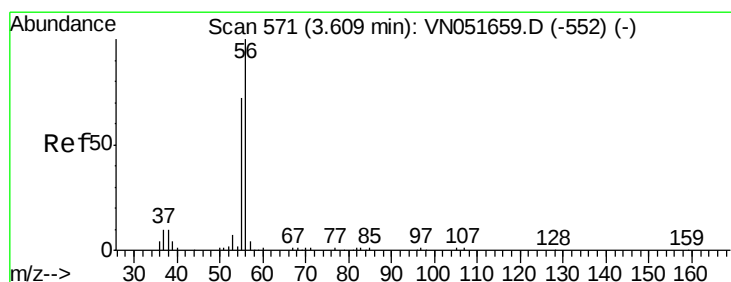
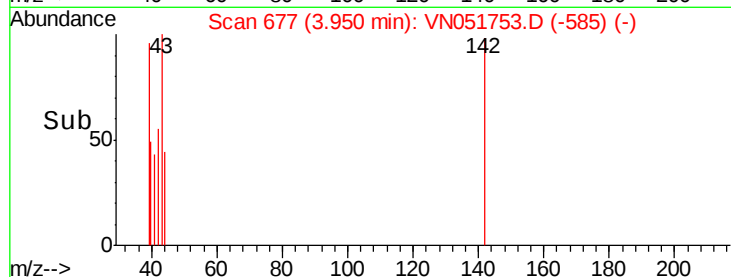
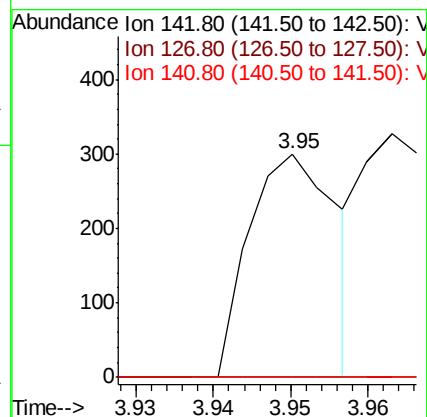
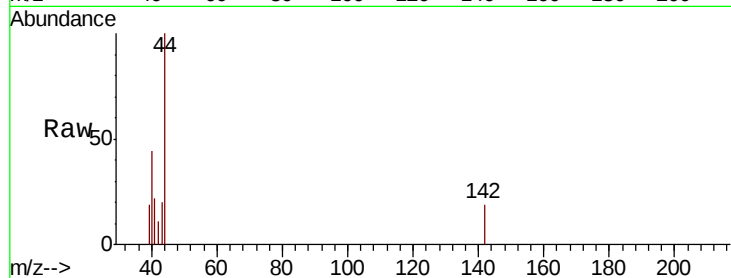
Tot Ion:142 Resp: 236

Ion Ratio Lower Upper

142 100

127 0.0 34.7 52.1#

141 0.0 11.4 17.2#



#13

Acrolein

Concen: Below Cal

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051753.D

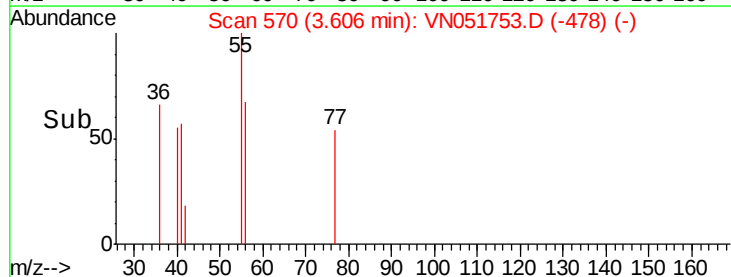
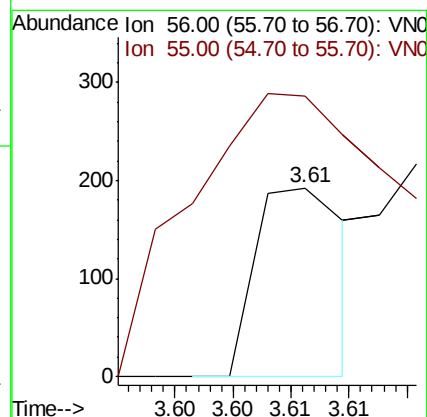
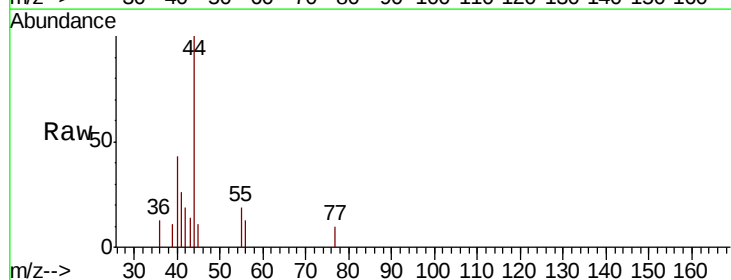
Acq: 9 Oct 2018 17:18

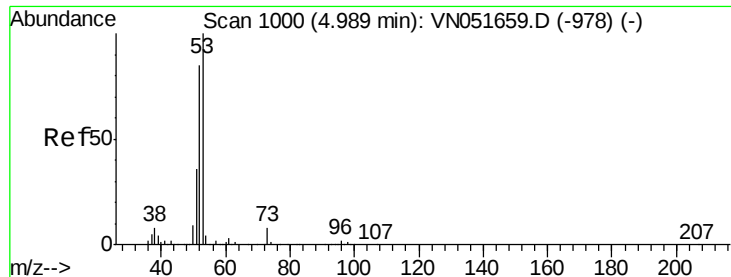
Tgt Ion: 56 Resp: 104

Ion Ratio Lower Upper

56 100

55 329.8 57.5 86.3#





#15

Acrylonitrile

Concen: 0.305 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN051753.D

Acq: 9 Oct 2018 17:18

Instrument :

MSVOA_N

ClientSampled :

VN1009WBL02

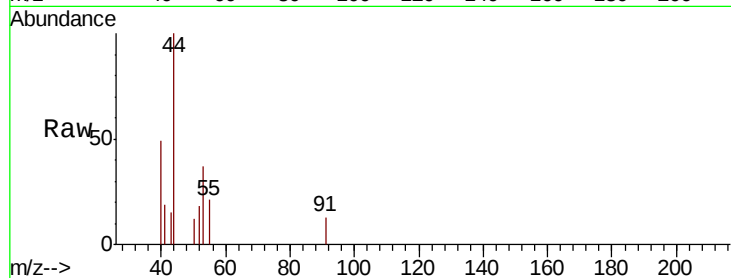
Tot Ion: 53 Resp: 745

Ion Ratio Lower Upper

53 100

52 63.4 66.2 99.2#

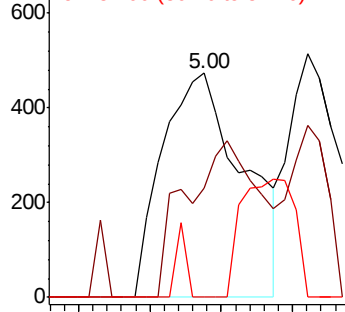
51 4.0 30.3 45.5#



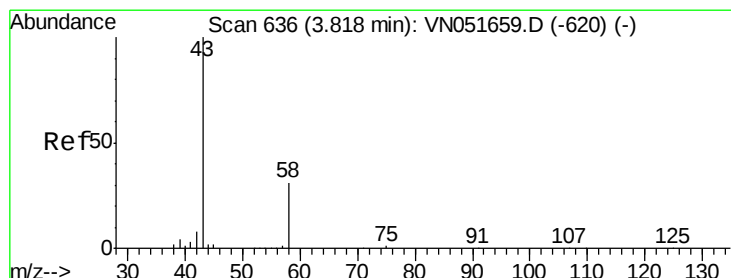
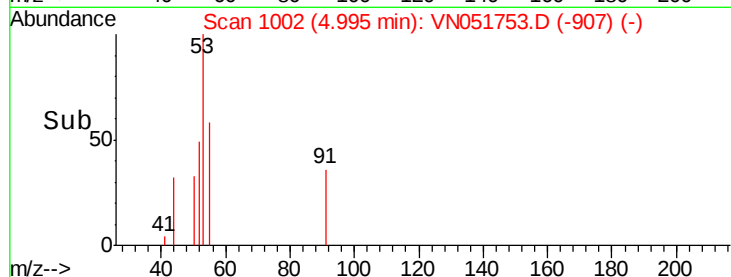
Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



Time-->



#16

Acetone

Concen: Below Cal

RT: 3.81 min Scan# 634

Delta R.T. -0.01 min

Lab File: VN051753.D

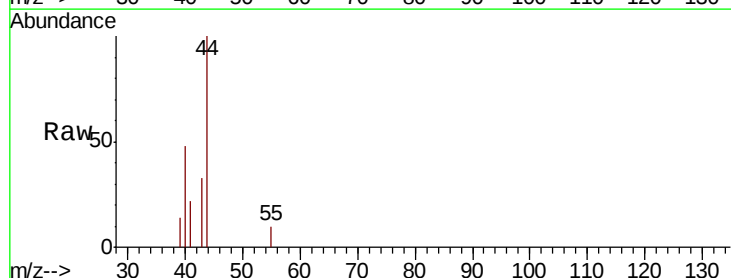
Acq: 9 Oct 2018 17:18

Tgt Ion: 43 Resp: 1007

Ion Ratio Lower Upper

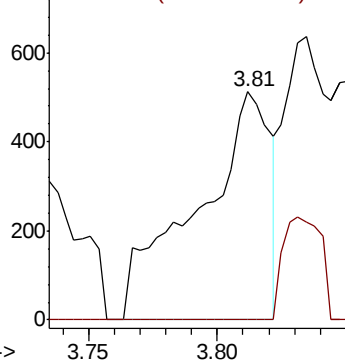
43 100

58 0.0 24.3 36.5#

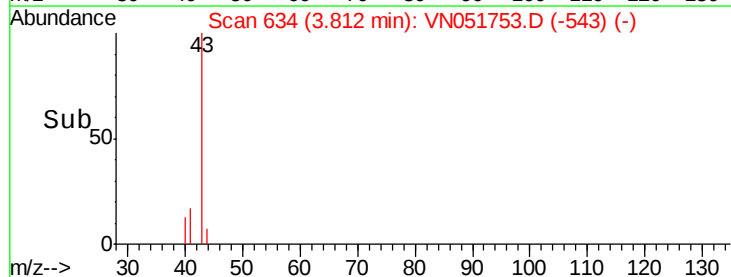


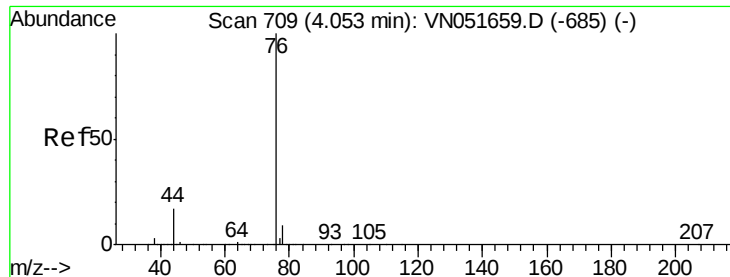
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->

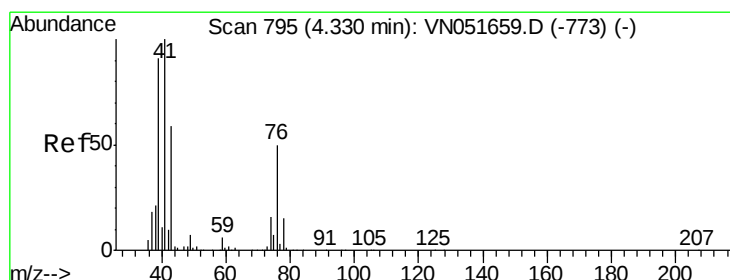
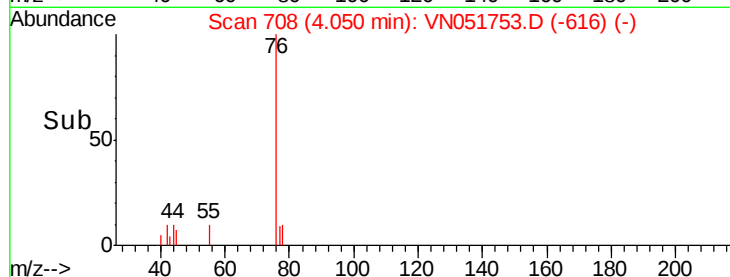
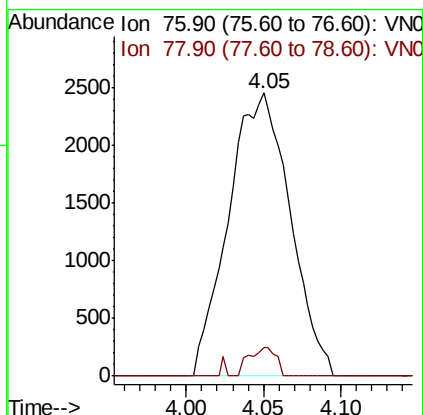
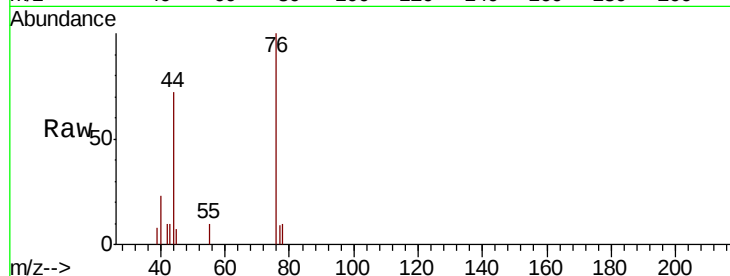




#17
Carbon Disulfide
Concen: 0.305 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN051753.D
Acq: 9 Oct 2018 17:18

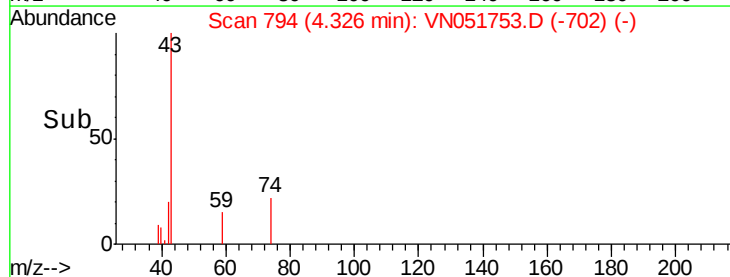
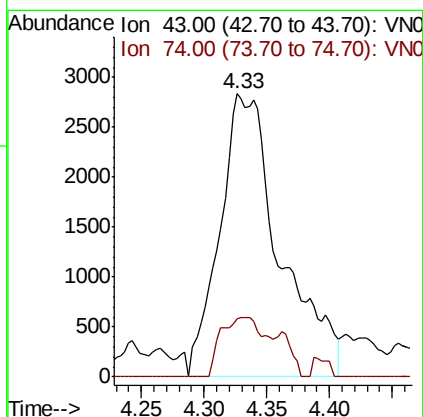
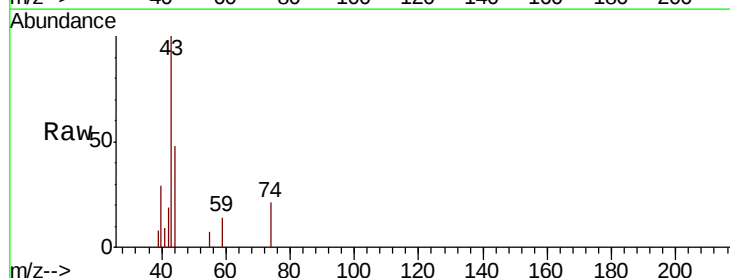
Instrument :
MSVOA_N
ClientSampled :
VN1009WBL02

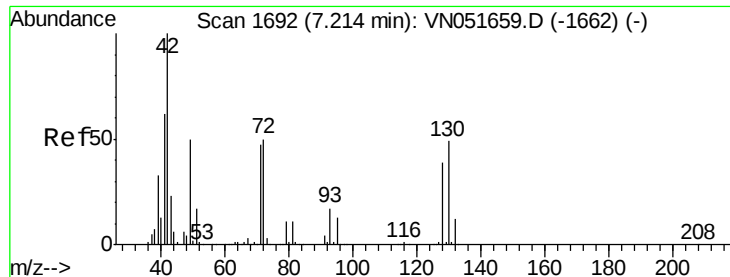
Tot Ion: 76 Resp: 6799
Ion Ratio Lower Upper
76 100
78 10.1 7.2 10.8



#18
Methyl Acetate
Concen: 1.658 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051753.D
Acq: 9 Oct 2018 17:18

Tgt Ion: 43 Resp: 9522
Ion Ratio Lower Upper
43 100
74 15.2 21.5 32.3#

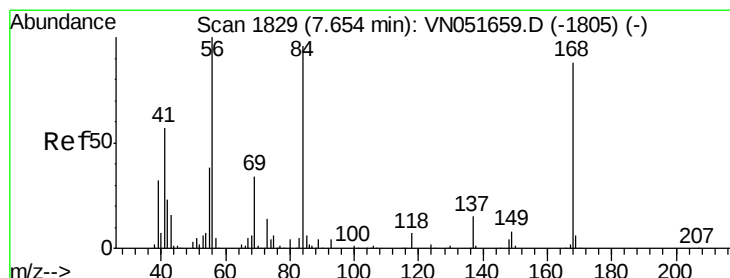
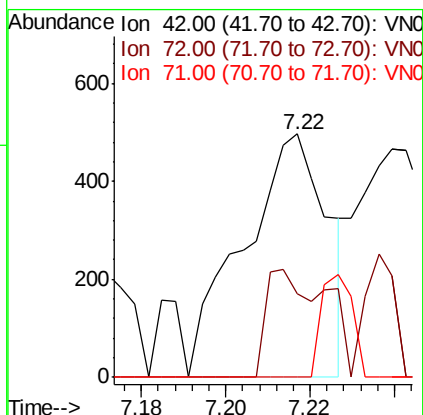
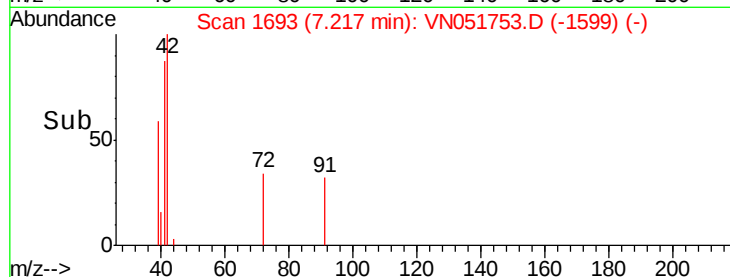
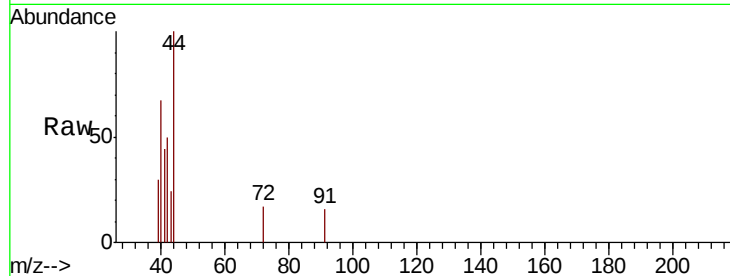




#29
Tetrahydrofuran
Concen: 0.373 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051753.D
Acq: 9 Oct 2018 17:18

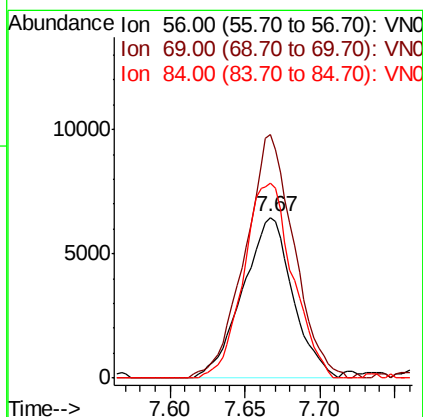
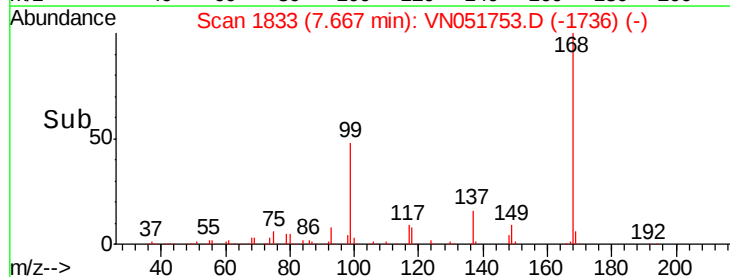
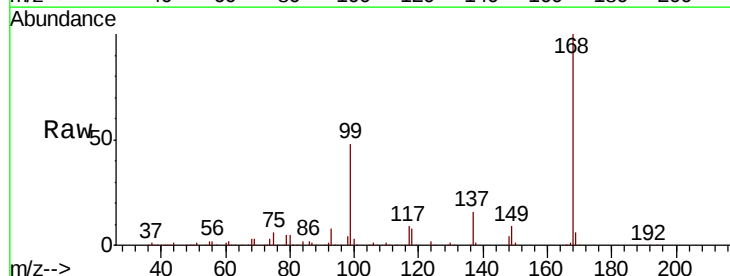
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MSVOA_N
ClientSampleId :
VN1009WBL02

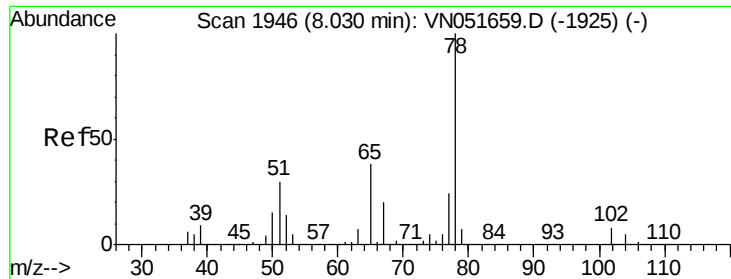
Tot Ion: 42 Resp: 687
Ion Ratio Lower Upper
42 100
72 31.4 40.1 60.1#
71 0.0 38.0 57.0#



#31
Cyclohexane
Concen: 1.066 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN051753.D
Acq: 9 Oct 2018 17:18

Tgt Ion: 56 Resp: 15056
Ion Ratio Lower Upper
56 100
69 151.6 27.5 41.3#
84 121.1 76.7 115.1#

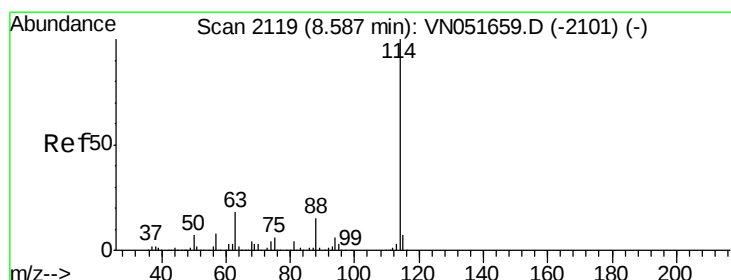
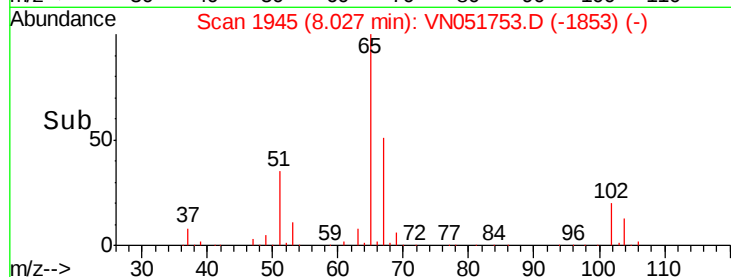
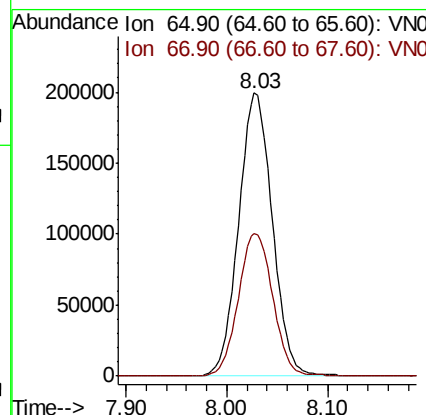
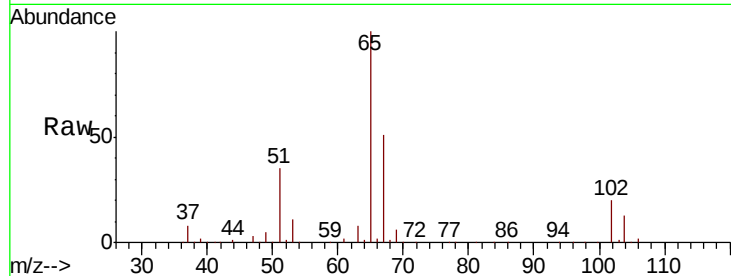




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051753.D
 Acq: 9 Oct 2018 17:18

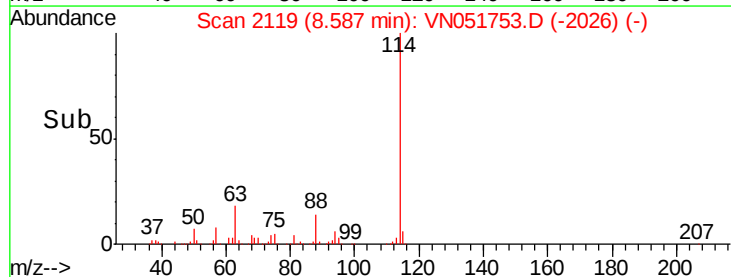
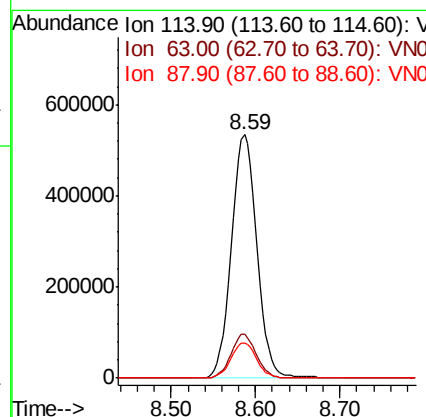
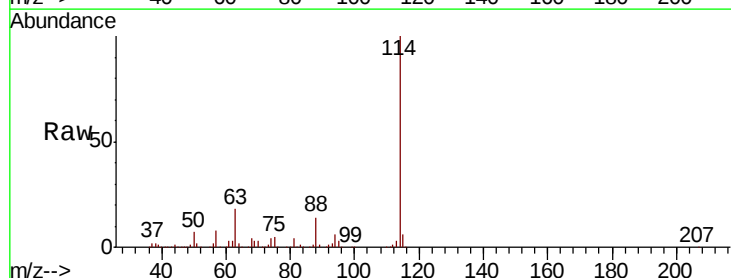
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBL02

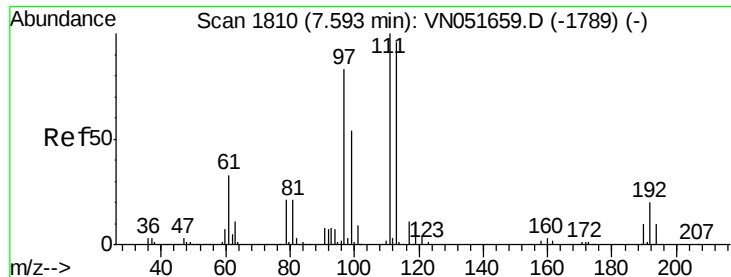
Tot Ion: 65 Resp: 462121
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051753.D
 Acq: 9 Oct 2018 17:18

Tgt Ion: 114 Resp: 1124740
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 36.2
 88 14.3 0.0 30.2

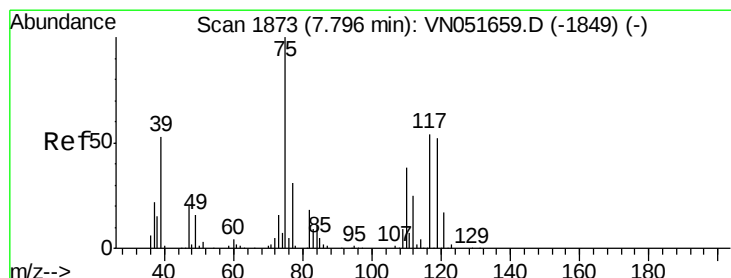
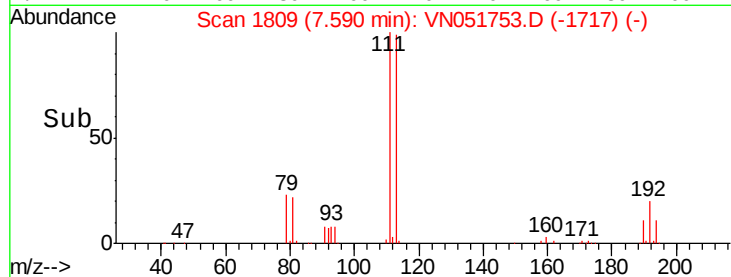
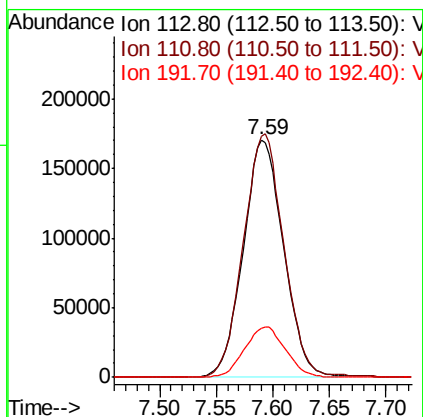
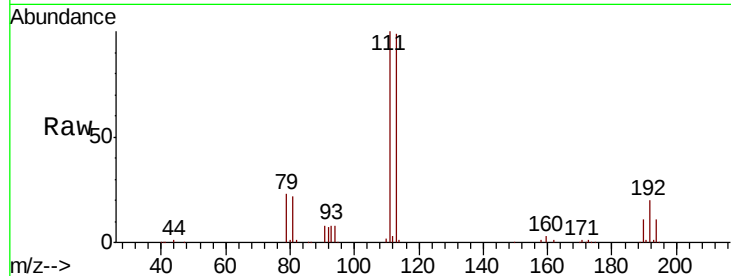




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN051753.D
Acq: 9 Oct 2018 17:18

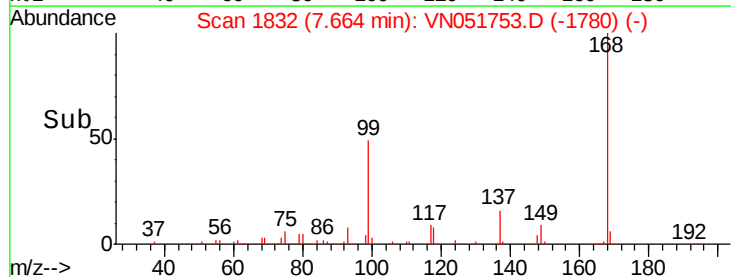
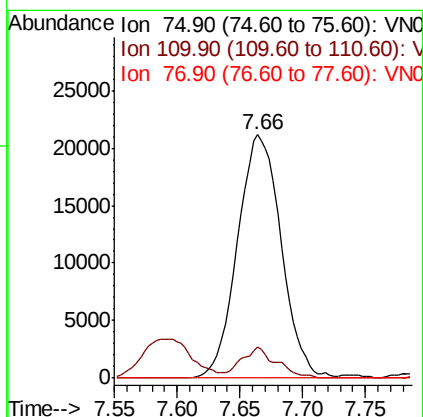
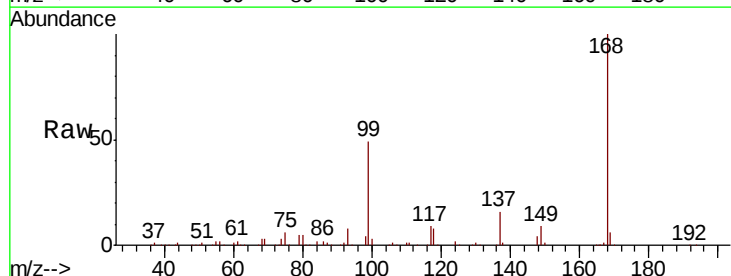
Instrument :
MSVOA_N
ClientSampleId :
VN1009WBL02

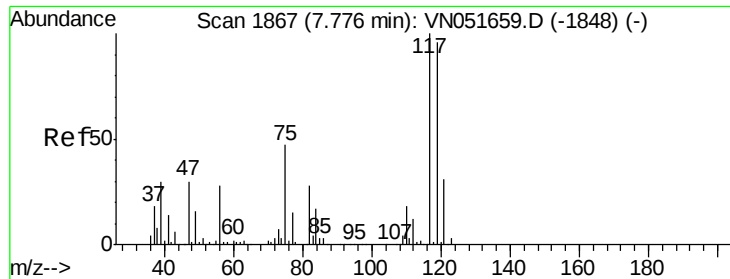
Tot Ion:113 Resp: 422984
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.8
192 21.6 16.5 24.7



#36
1,1-Dichloropropene
Concen: 4.359 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.13 min
Lab File: VN051753.D
Acq: 9 Oct 2018 17:18

Tgt Ion: 75 Resp: 51241
Ion Ratio Lower Upper
75 100
110 10.4 19.3 57.8#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.173 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051753.D

Acq: 9 Oct 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBL02

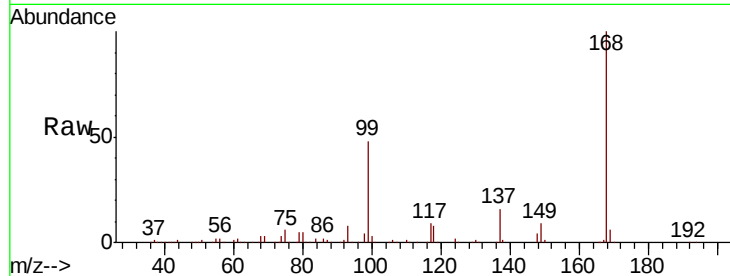
Tot Ion:117 Resp: 72981

Ion Ratio Lower Upper

117 100

119 4.3 77.0 115.6#

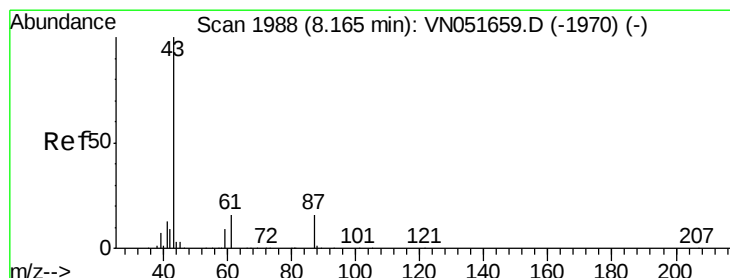
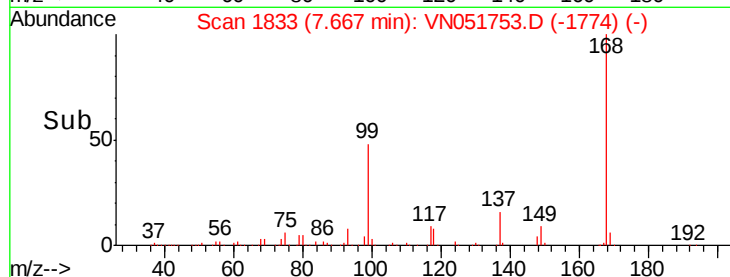
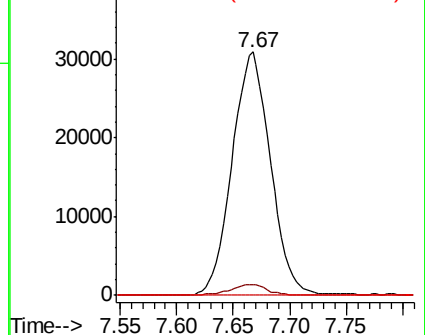
121 0.0 25.0 37.6#



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



#43

Isopropyl Acetate

Concen: 1.513 ug/l

RT: 8.26 min Scan# 2016

Delta R.T. 0.09 min

Lab File: VN051753.D

Acq: 9 Oct 2018 17:18

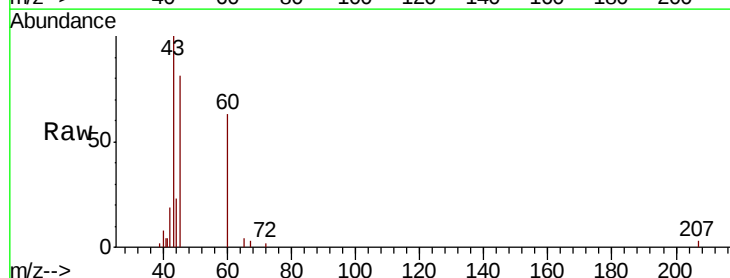
Tgt Ion: 43 Resp: 19347

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.6#

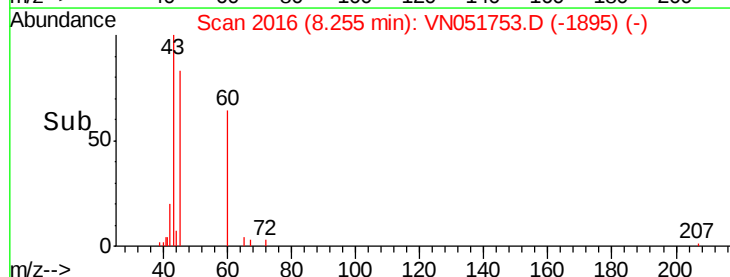
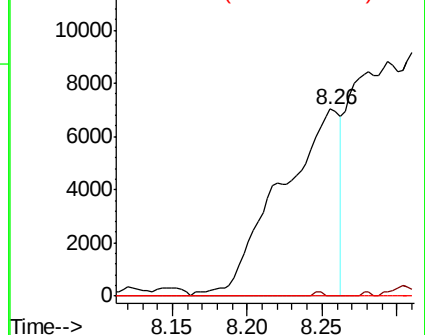
87 0.0 12.6 19.0#

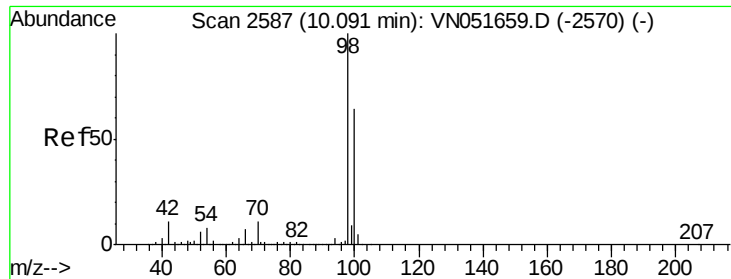


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

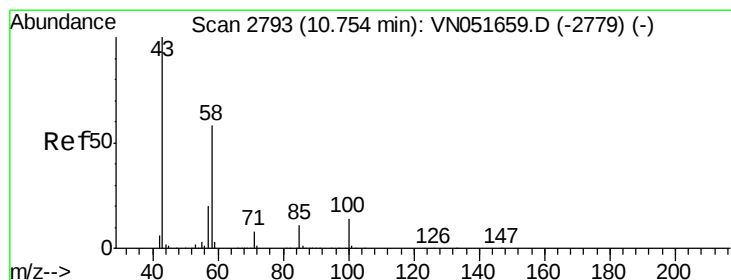
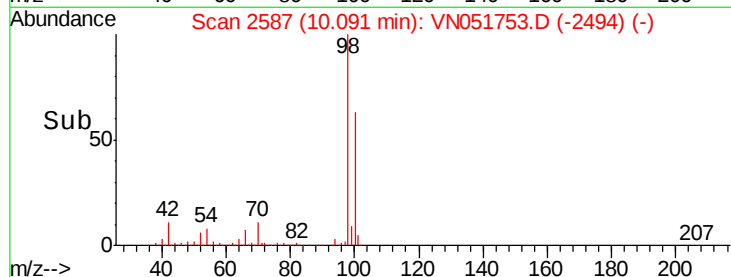
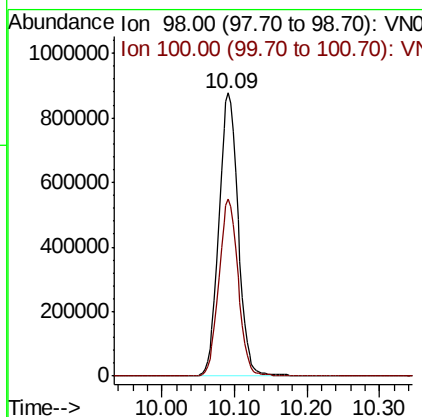
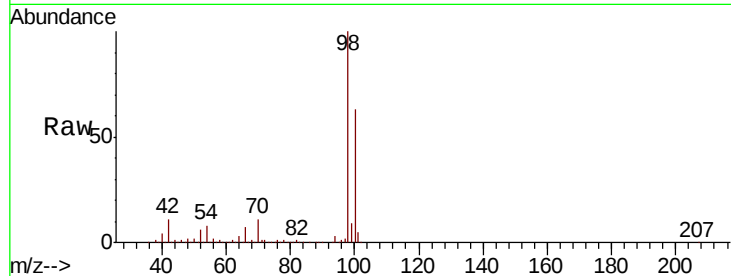




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051753.D
Acq: 9 Oct 2018 17:18

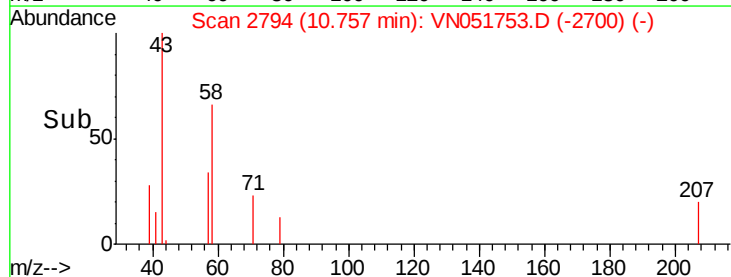
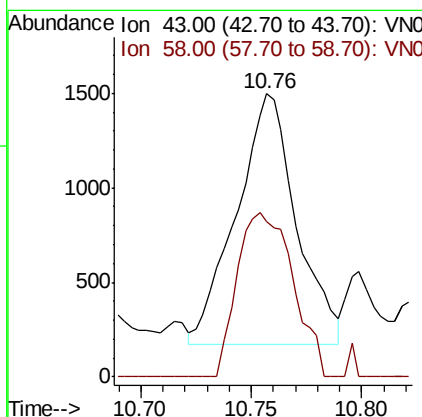
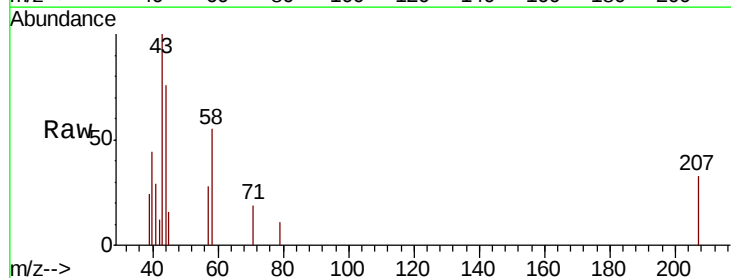
Instrument :
MSVOA_N
ClientSampleId :
VN1009WBL02

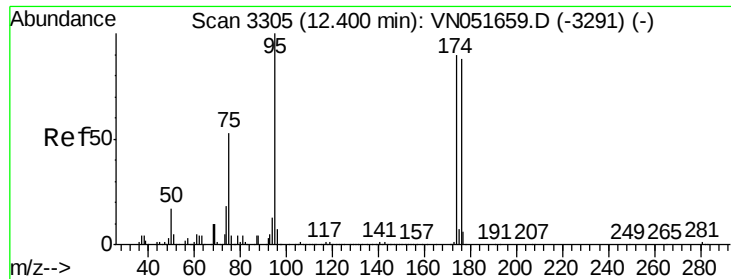
Tot Ion: 98 Resp: 1614230
Ion Ratio Lower Upper
98 100
100 62.6 51.5 77.3



#59
2-Hexanone
Concen: 0.565 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN051753.D
Acq: 9 Oct 2018 17:18

Tgt Ion: 43 Resp: 2485
Ion Ratio Lower Upper
43 100
58 61.3 28.8 86.4





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051753.D

Acq: 9 Oct 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBL02

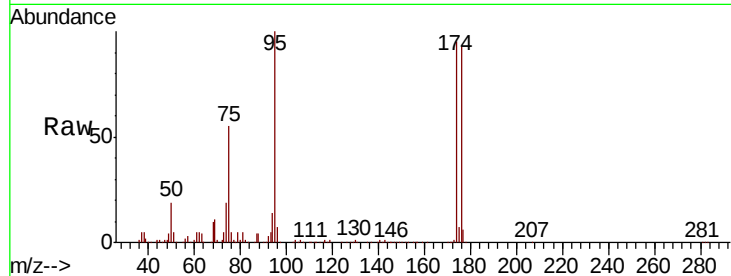
Tot Ion: 95 Resp: 453291

Ion Ratio Lower Upper

95 100

174 95.4 0.0 182.8

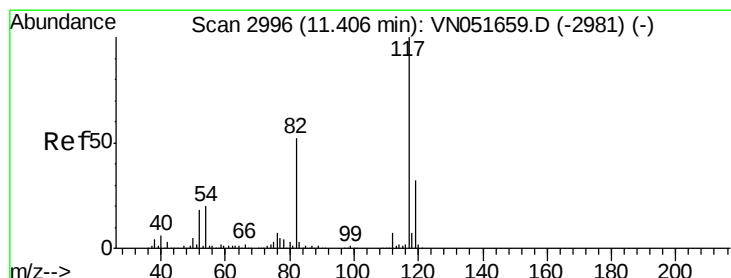
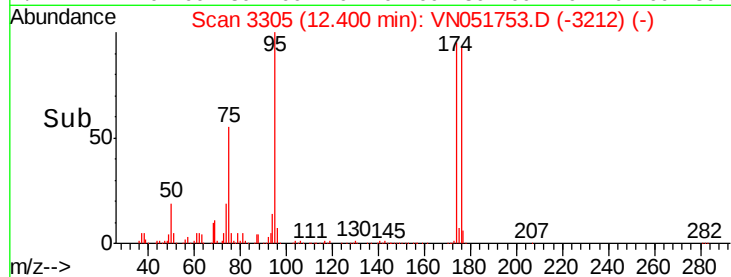
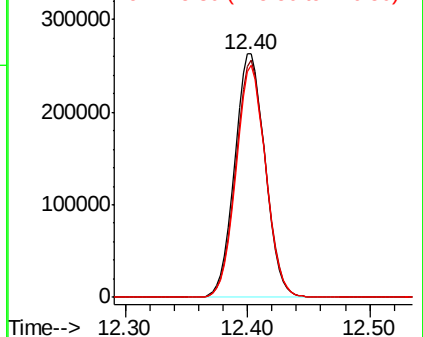
176 92.8 0.0 176.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051753.D

Acq: 9 Oct 2018 17:18

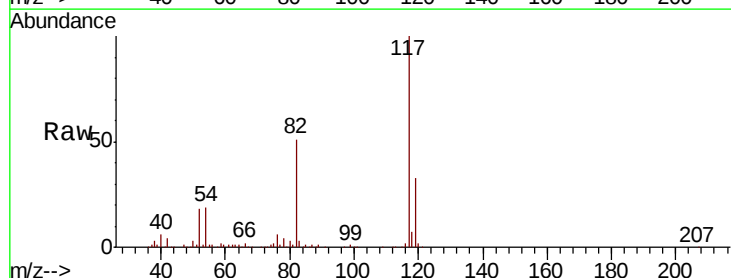
Tgt Ion: 117 Resp: 989878

Ion Ratio Lower Upper

117 100

82 51.3 41.3 61.9

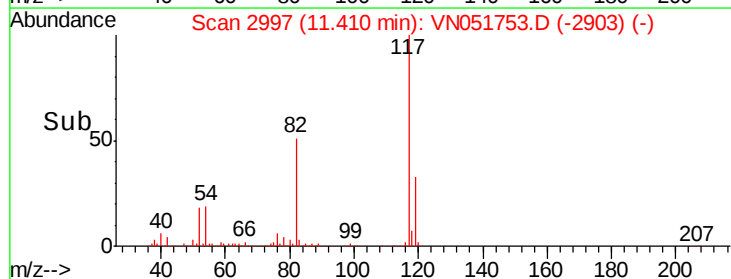
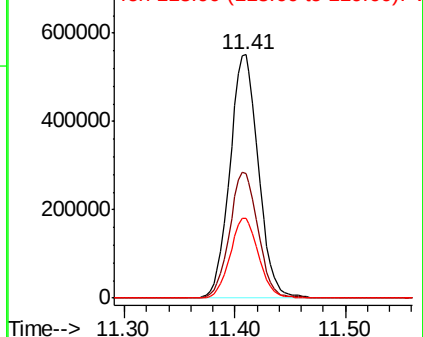
119 32.8 25.9 38.9

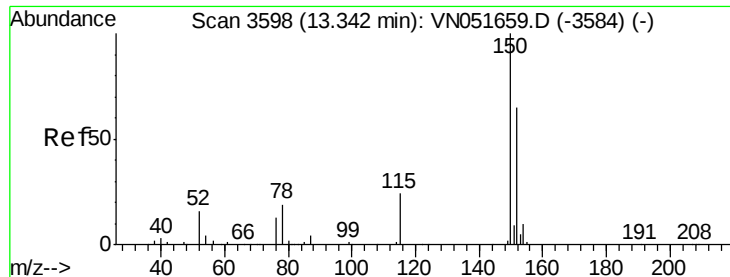


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051753.D

Acq: 9 Oct 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBL02

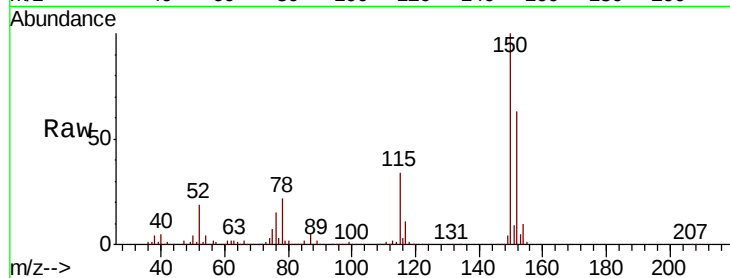
Tot Ion:152 Resp: 362631

Ion Ratio Lower Upper

152 100

115 54.9 28.6 85.8

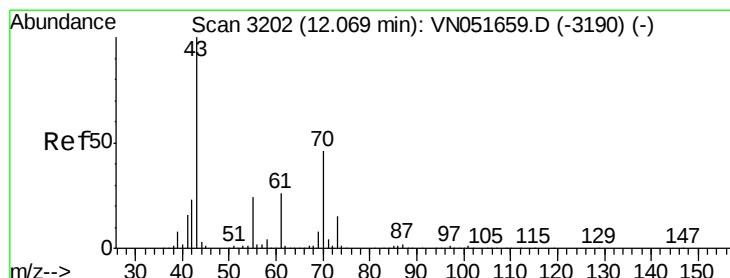
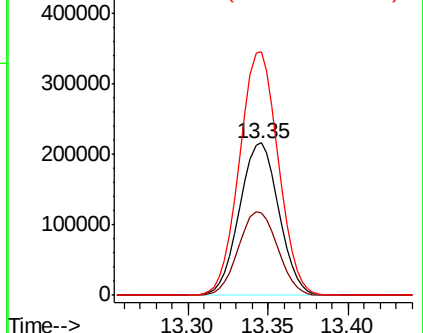
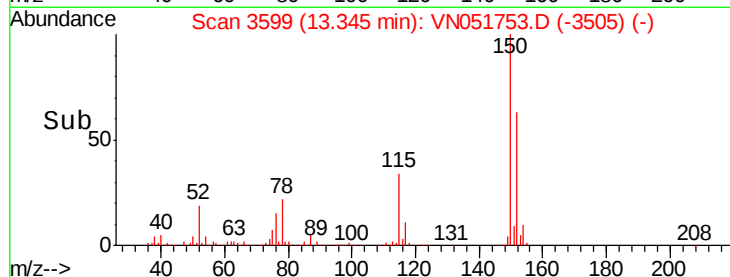
150 157.7 0.0 352.4



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: 12.08 min Scan# 3204

Delta R.T. 0.01 min

Lab File: VN051753.D

Acq: 9 Oct 2018 17:18

Tgt Ion: 43 Resp: 2445

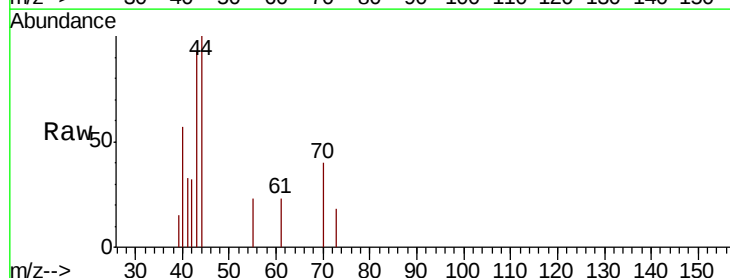
Ion Ratio Lower Upper

43 100

70 33.0 37.1 55.7#

55 17.2 19.1 28.7#

61 18.0 20.8 31.2#

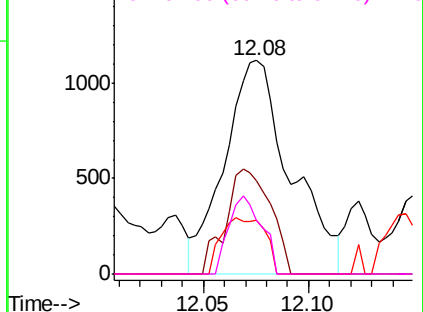
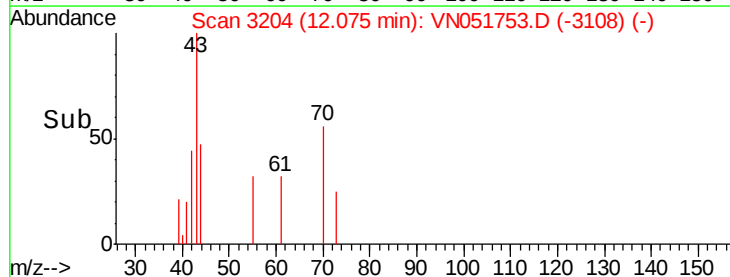


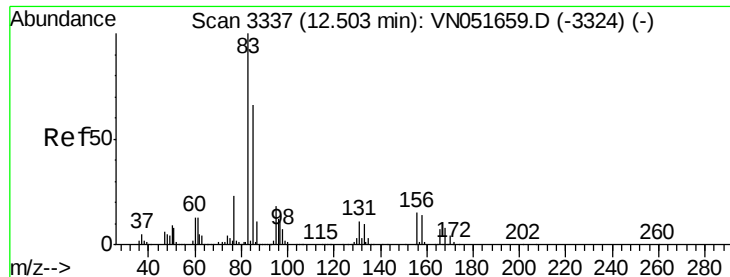
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051753.D

Acq: 9 Oct 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBL02

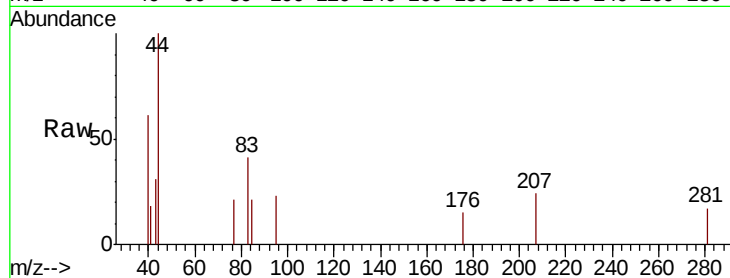
Tot Ion: 83 Resp: 526

Ion Ratio Lower Upper

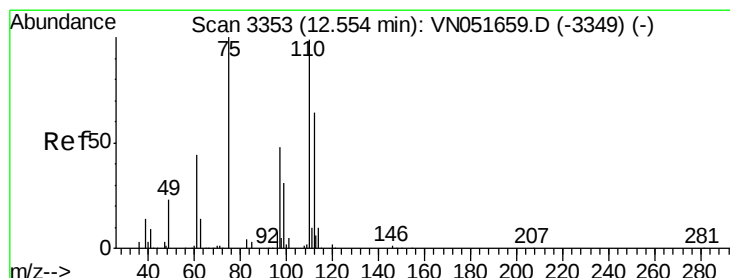
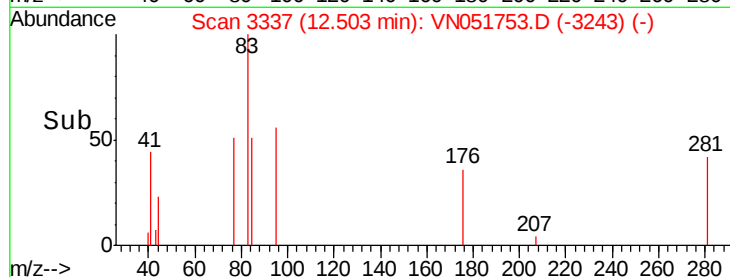
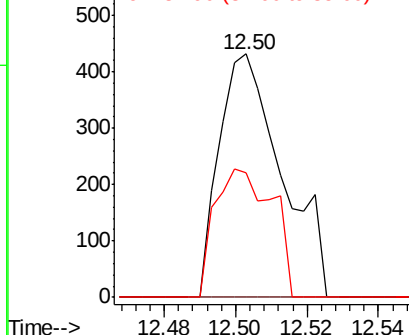
83 100

131 0.0 5.7 17.1#

85 48.5 33.0 98.9



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 53.613 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051753.D

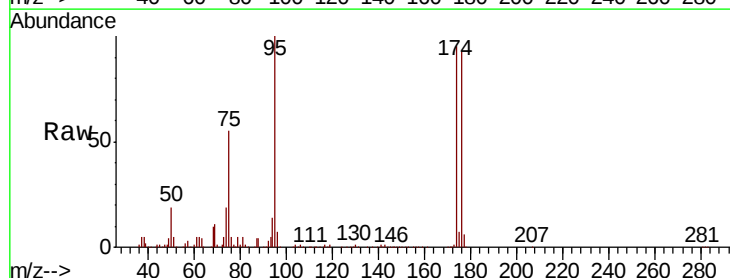
Acq: 9 Oct 2018 17:18

Tgt Ion: 75 Resp: 240232

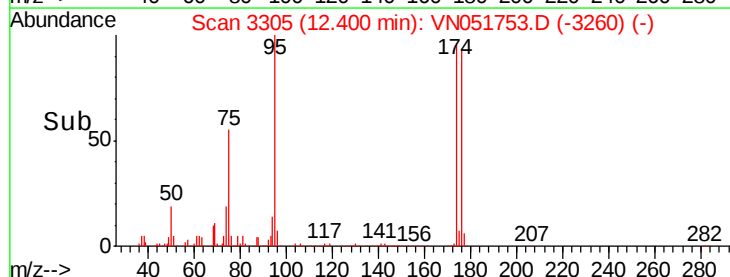
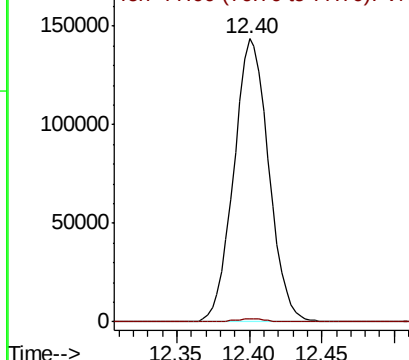
Ion Ratio Lower Upper

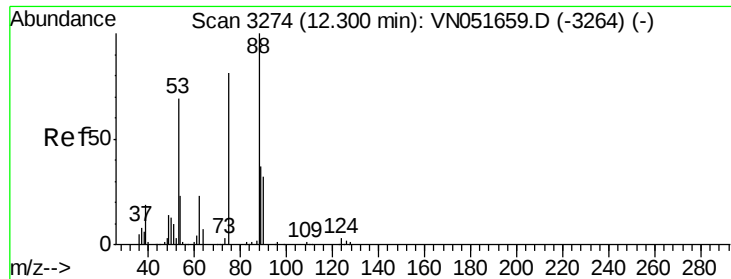
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO

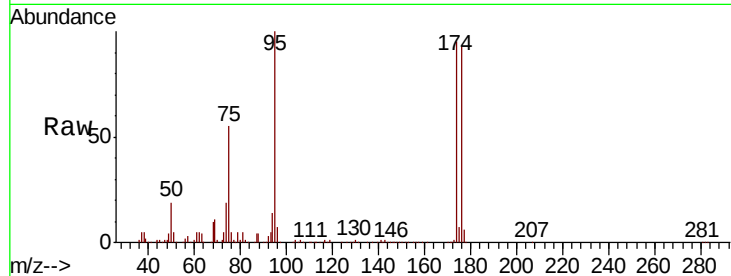




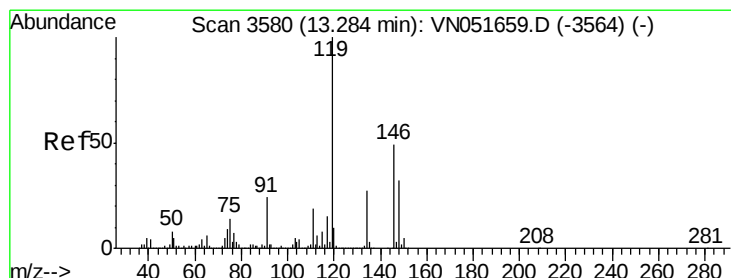
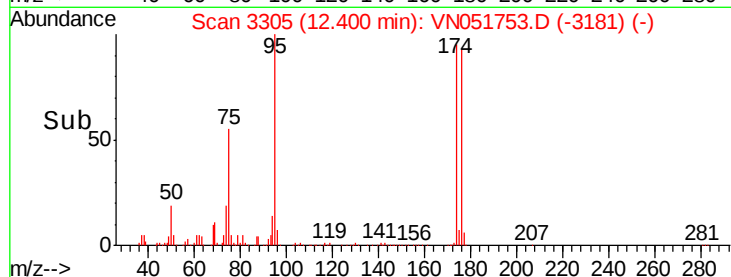
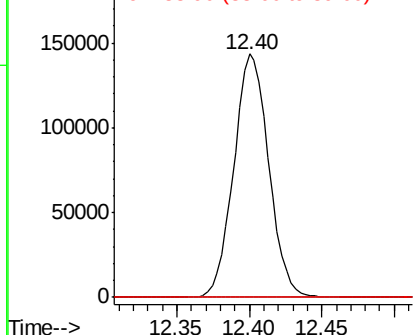
#81
trans-1,4-Dichloro-2-butene
Concen: 121.775 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN051753.D
Acq: 9 Oct 2018 17:18

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBL02

Tot Ion: 75 Resp: 240232
Ion Ratio Lower Upper
75 100
53 0.0 68.6 102.8#
89 0.0 39.4 59.2#

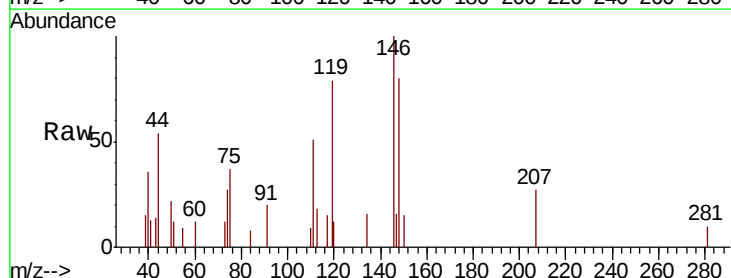


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

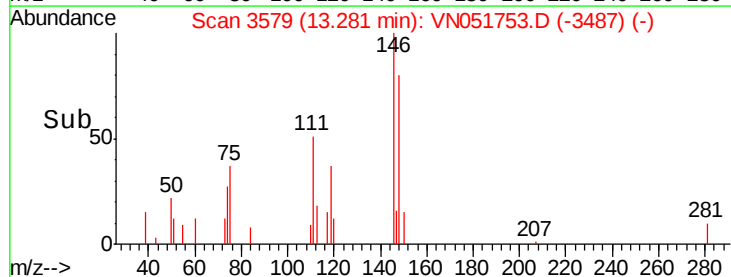
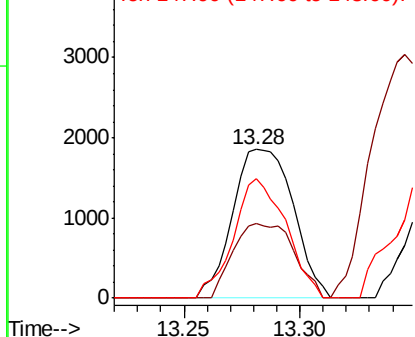


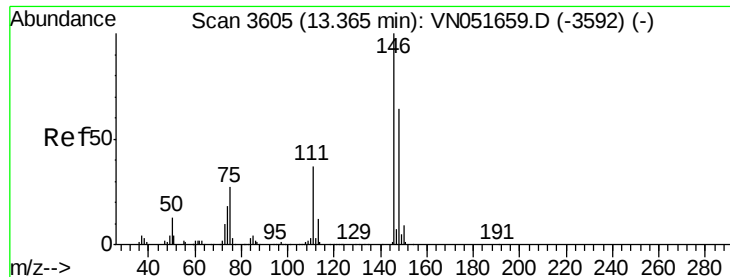
#87
1,3-Dichlorobenzene
Concen: 0.256 ug/l
RT: 13.28 min Scan# 3579
Delta R.T. -0.00 min
Lab File: VN051753.D
Acq: 9 Oct 2018 17:18

Tgt Ion: 146 Resp: 3367
Ion Ratio Lower Upper
146 100
111 50.4 19.3 57.9
148 69.4 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 0.260 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.08 min

Lab File: VN051753.D

Acq: 9 Oct 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBL02

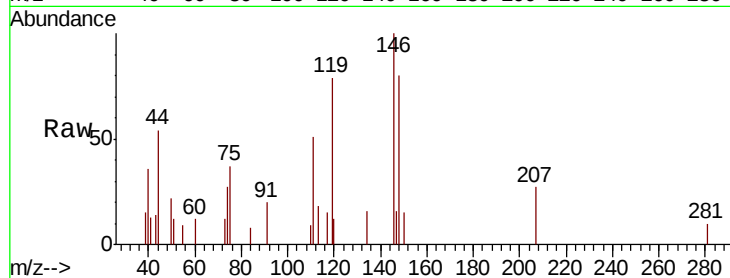
Tot Ion:146 Resp: 3367

Ion Ratio Lower Upper

146 100

111 50.4 18.6 55.8

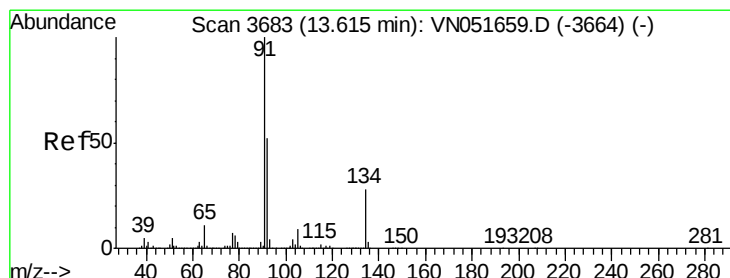
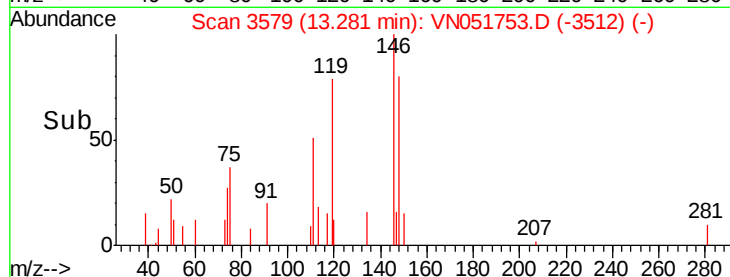
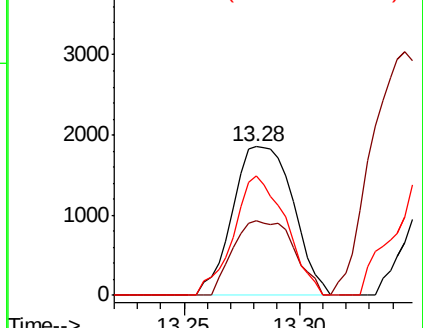
148 69.4 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.237 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051753.D

Acq: 9 Oct 2018 17:18

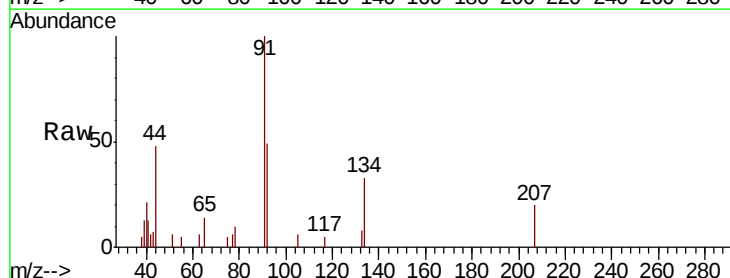
Tgt Ion: 91 Resp: 5123

Ion Ratio Lower Upper

91 100

92 49.8 26.0 78.0

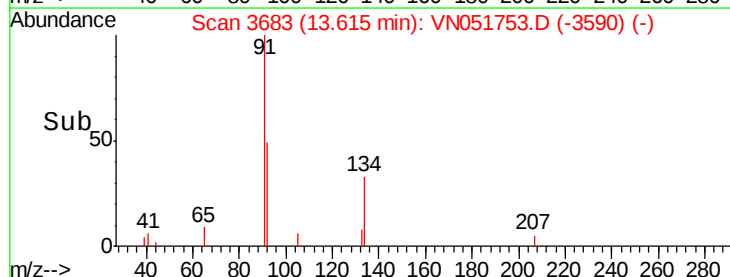
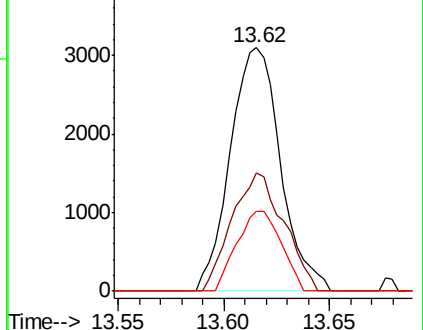
134 28.9 14.2 42.6

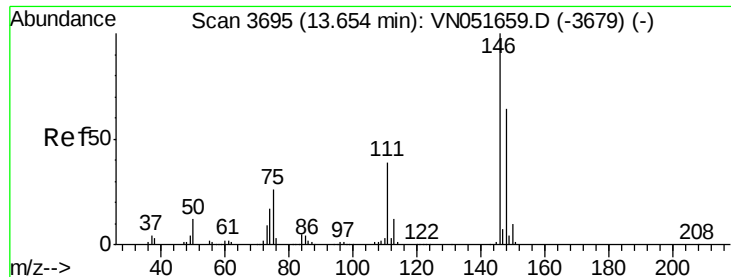


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#91

1,2-Dichlorobenzene

Concen: 0.245 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN051753.D

Acq: 9 Oct 2018 17:18

Instrument :

MSVOA_N

ClientSampled :

VN1009WBL02

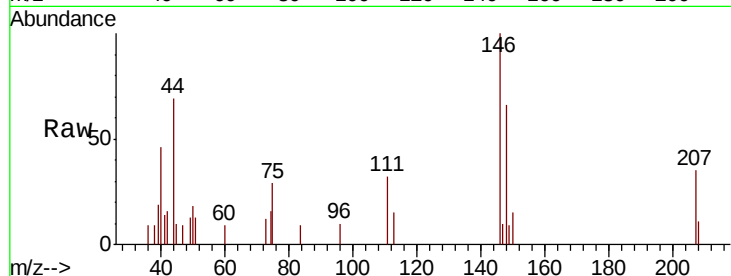
Tot Ion:146 Resp: 3204

Ion Ratio Lower Upper

146 100

111 29.8 19.7 59.0

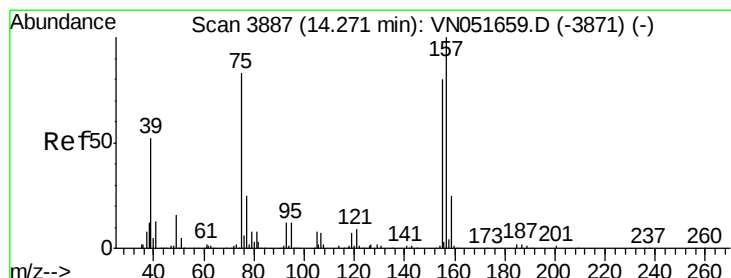
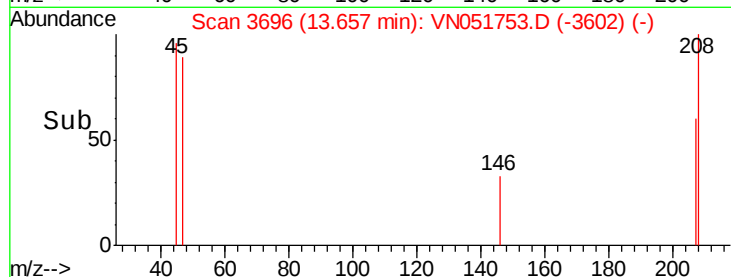
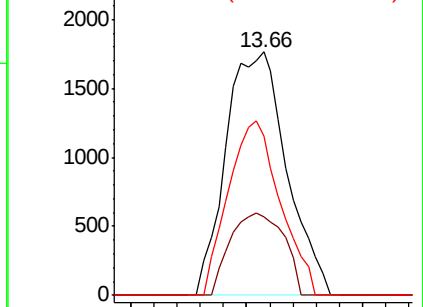
148 61.3 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.336 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN051753.D

Acq: 9 Oct 2018 17:18

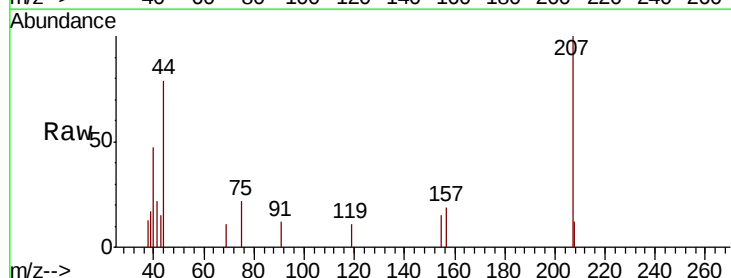
Tgt Ion: 75 Resp: 365

Ion Ratio Lower Upper

75 100

155 59.5 47.6 142.9

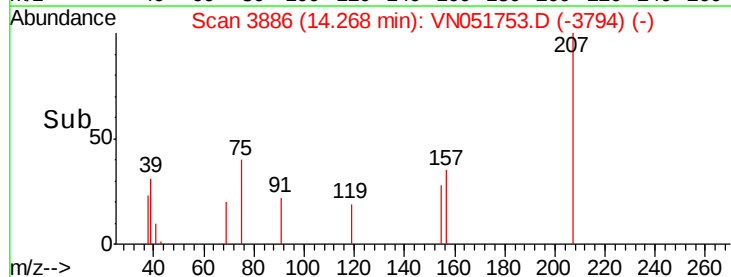
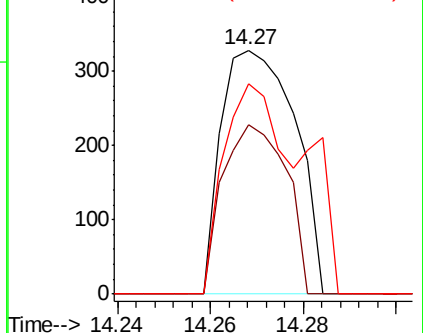
157 91.2 61.7 185.1

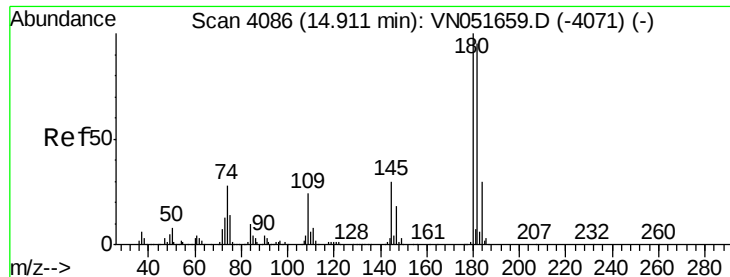


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

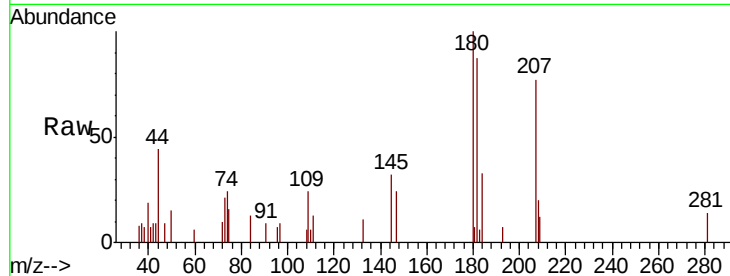




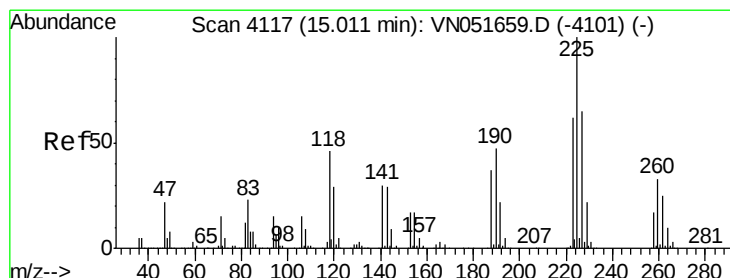
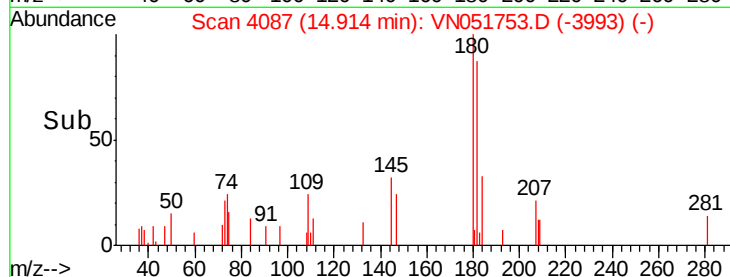
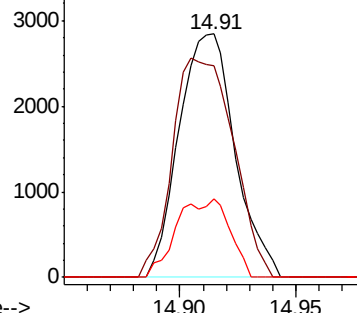
#93
 1,2,4-Trichlorobenzene
 Concen: 0.821 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN051753.D
 Acq: 9 Oct 2018 17:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBL02

Tot Ion:180 Resp: 4784
 Ion Ratio Lower Upper
 180 100
 182 97.6 47.7 143.1
 145 15.1 15.3 45.9#

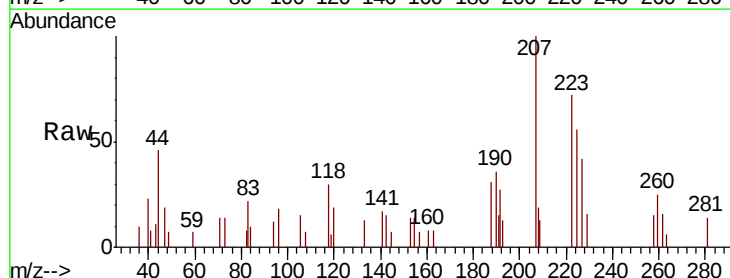


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

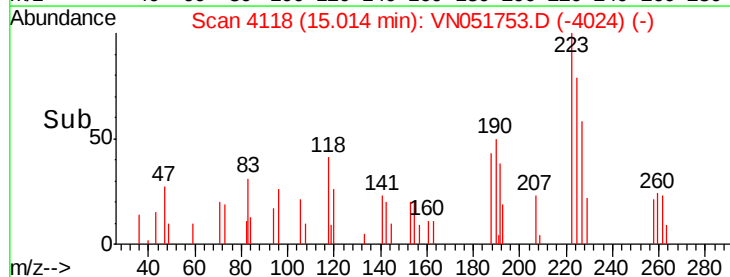
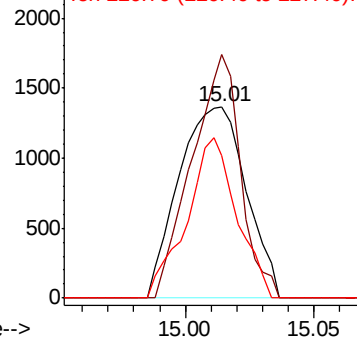


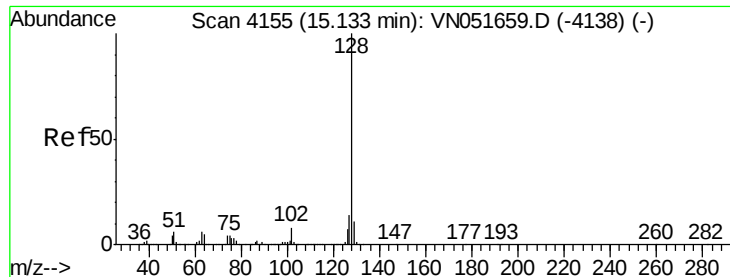
#94
 Hexachlorobutadiene
 Concen: 0.630 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN051753.D
 Acq: 9 Oct 2018 17:18

Tgt Ion:225 Resp: 2489
 Ion Ratio Lower Upper
 225 100
 223 91.9 31.9 95.5
 227 62.0 31.7 95.1



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: 1.011 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051753.D

Acq: 9 Oct 2018 17:18

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBL02

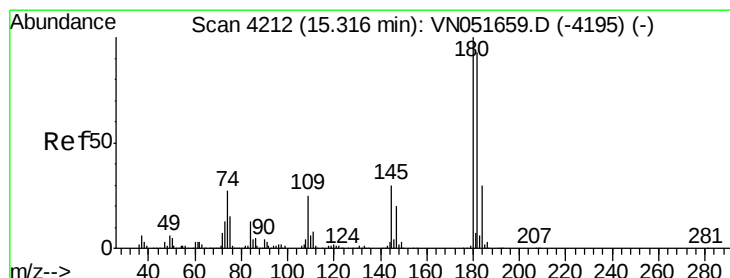
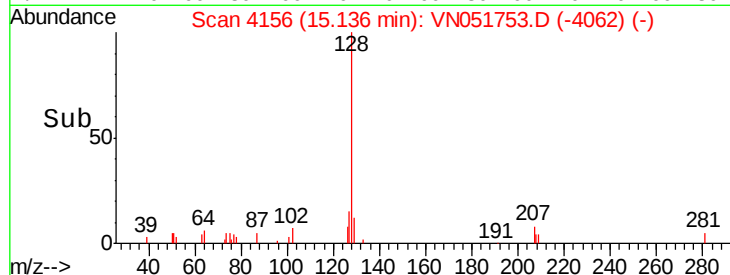
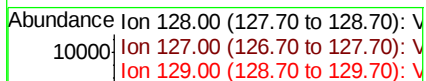
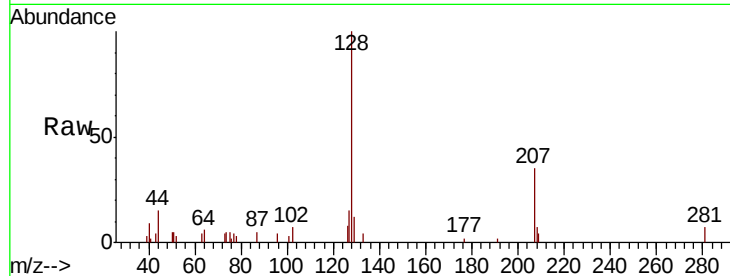
Tot Ion:128 Resp: 12714

Ion Ratio Lower Upper

128 100

127 14.1 10.6 15.8

129 10.3 9.0 13.6



#96

1,2,3-Trichlorobenzene

Concen: 0.981 ug/l

RT: 15.32 min Scan# 4214

Delta R.T. 0.01 min

Lab File: VN051753.D

Acq: 9 Oct 2018 17:18

Tgt Ion:180 Resp: 5628

Ion Ratio Lower Upper

180 100

182 99.0 47.3 141.8

145 28.4 15.6 46.8

