

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110118\
 Data File : VN052096.D
 Acq On : 1 Nov 2018 11:53
 Operator : MD\SY
 Sample : VN1101WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBL01

Quant Time: Nov 02 05:43:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	59917	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	353595	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	298750	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	139506	31.37	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.57%
60) 4-Bromofluorobenzene	12.40	95	128765	26.94	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	89.80%
63) Toluene-d8	10.09	98	427721	30.45	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.50%

Target Compounds

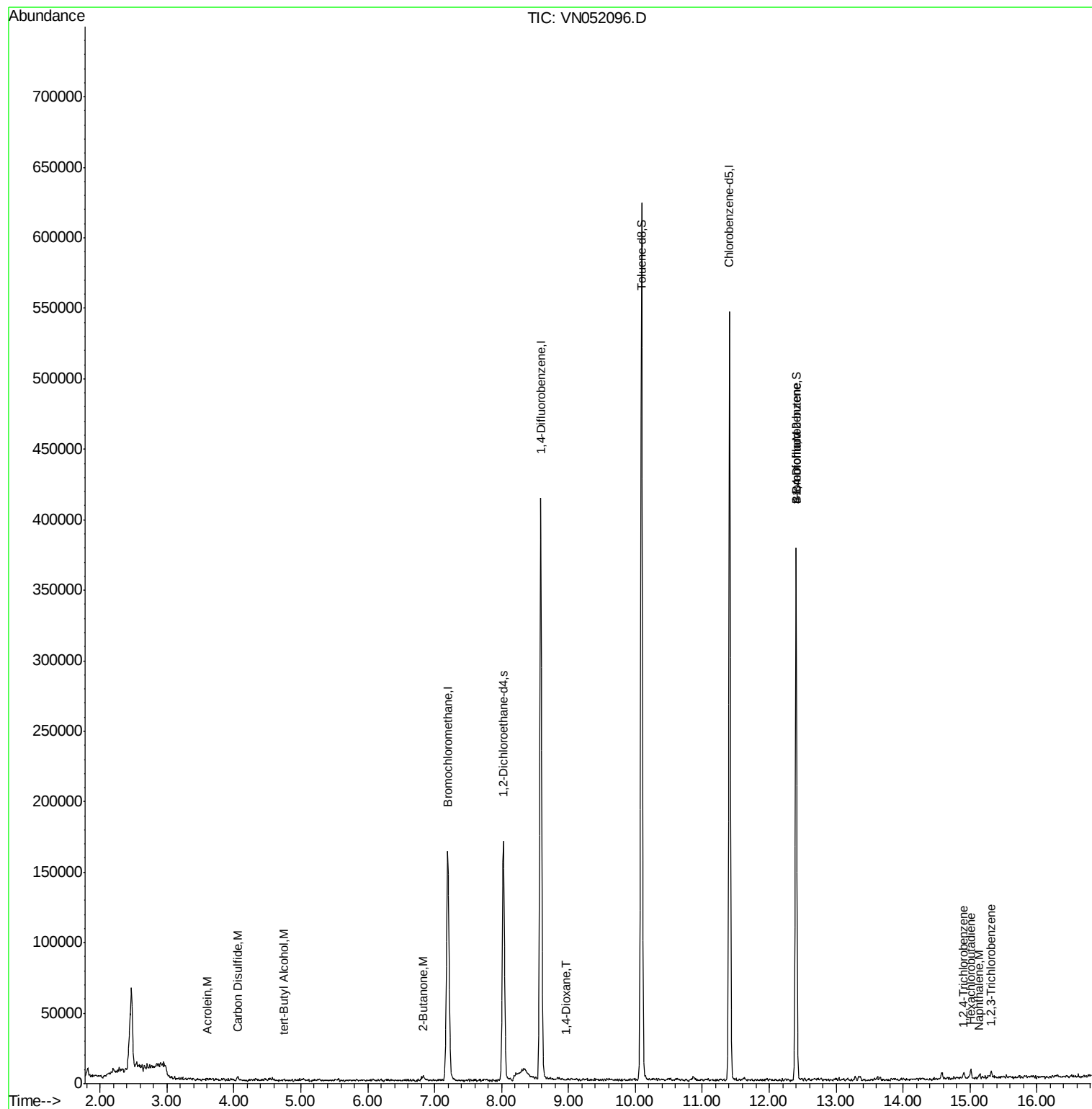
					Qvalue	
13) Acrolein	3.60	56	317	1.072	ug/l	98
16) Carbon Disulfide	4.06	76	2847	0.291	ug/l #	76
23) tert-Butyl Alcohol	4.76	59	101	0.524	ug/l #	52
30) 2-Butanone	6.83	43	388	0.260	ug/l #	54
45) 1,4-Dioxane	8.96	88	71	2.502	ug/l #	1
56) Bromoform	12.40	173	763	0.343	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.40	75	68229	63.167	ug/l #	9
89) 1,2,4-Trichlorobenzene	14.91	180	703	0.261	ug/l #	17
90) Hexachlorobutadiene	15.01	225	858	0.581	ug/l	93
91) Naphthalene	15.13	128	2322	0.373	ug/l #	80
92) 1,2,3-Trichlorobenzene	15.32	180	1683	0.716	ug/l	67

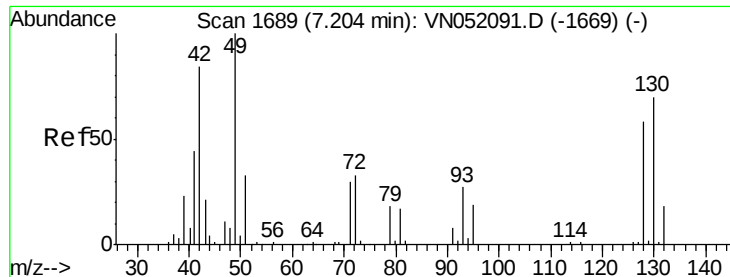
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN110118\
Data File : VN052096.D
Acq On : 1 Nov 2018 11:53
Operator : MD\SY
Sample : VN1101WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBL01

Quant Time: Nov 02 05:43:29 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N110118W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 02 05:39:38 2018
Response via : Initial Calibration

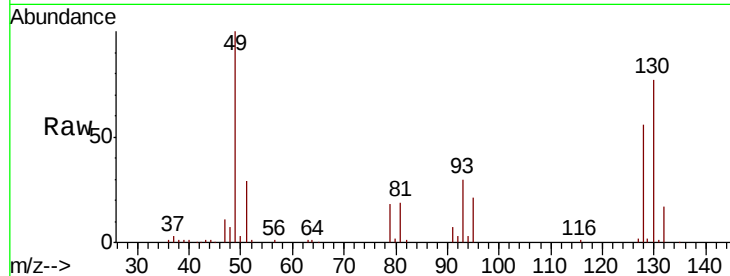




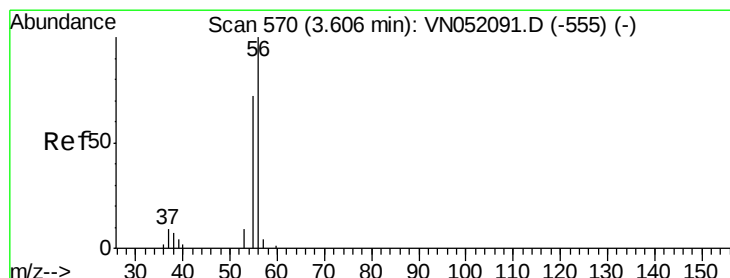
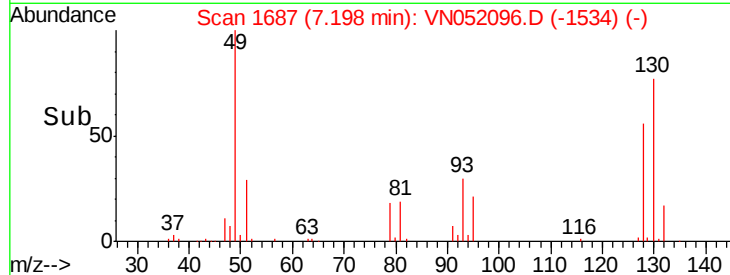
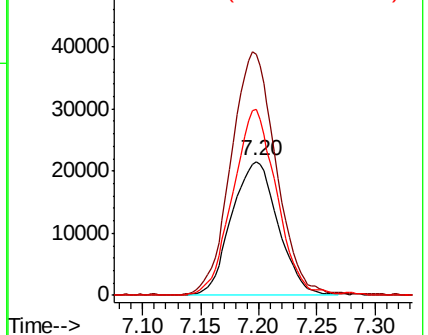
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VN052096.D
Acq: 1 Nov 2018 11:53

Instrument :
MSVOA_N
ClientSampleId :
VN1101WBL01

Tgt Ion:128 Resp: 59917
Ion Ratio Lower Upper
128 100
49 176.3 0.0 453.7
130 130.1 0.0 308.8

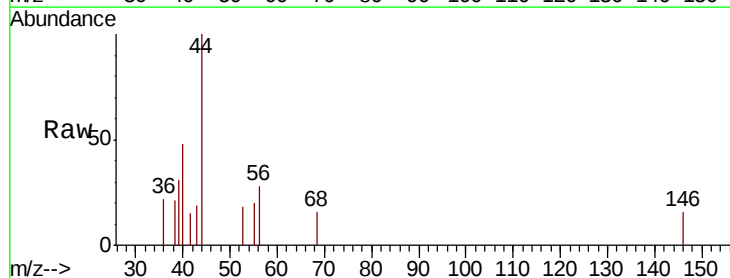


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

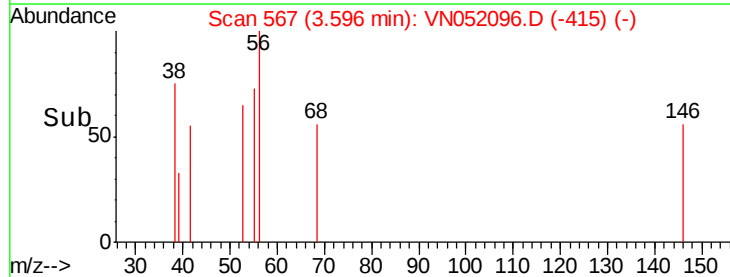
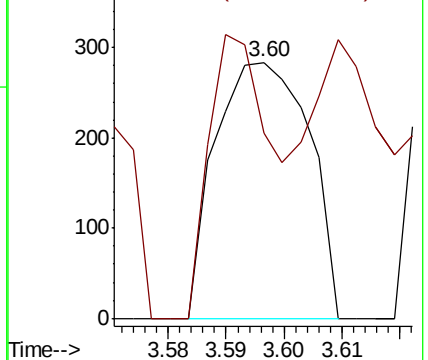


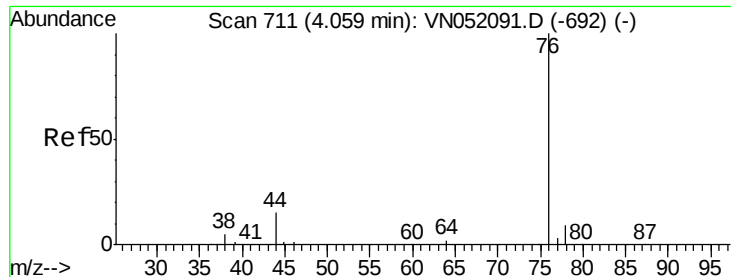
#13
Acrolein
Concen: 1.072 ug/l
RT: 3.60 min Scan# 567
Delta R.T. -0.01 min
Lab File: VN052096.D
Acq: 1 Nov 2018 11:53

Tgt Ion: 56 Resp: 317
Ion Ratio Lower Upper
56 100
55 72.2 56.2 84.2



Abundance Ion 56.00 (55.70 to 56.70): VN
Ion 55.00 (54.70 to 55.70): VN

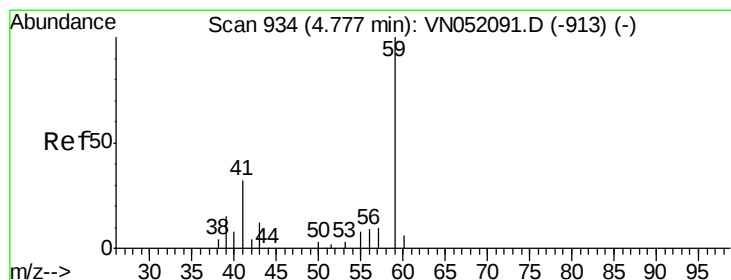
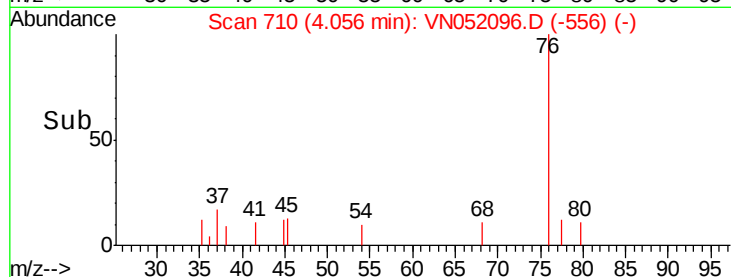
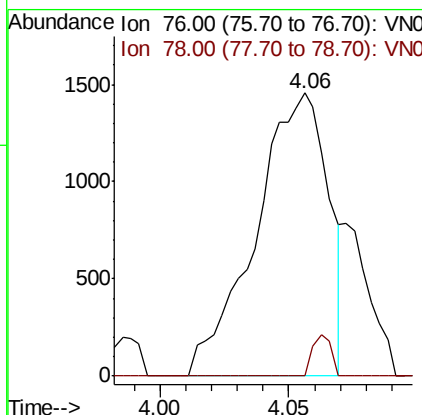
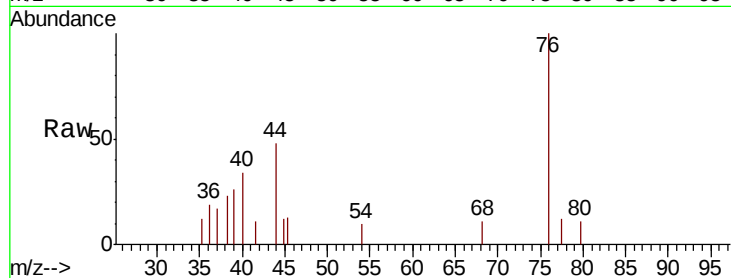




#16
Carbon Disulfide
Concen: 0.291 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052096.D
Acq: 1 Nov 2018 11:53

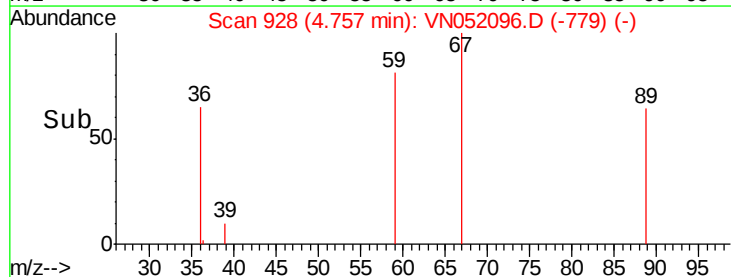
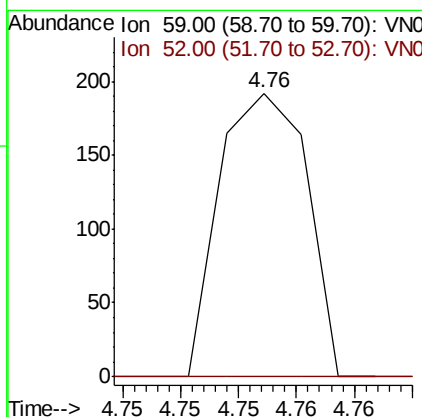
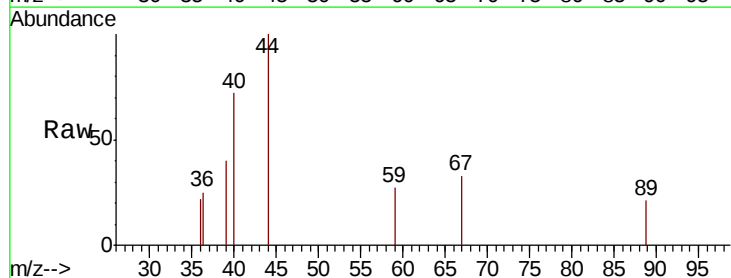
Instrument :
MSVOA_N
ClientSampleId :
VN1101WBL01

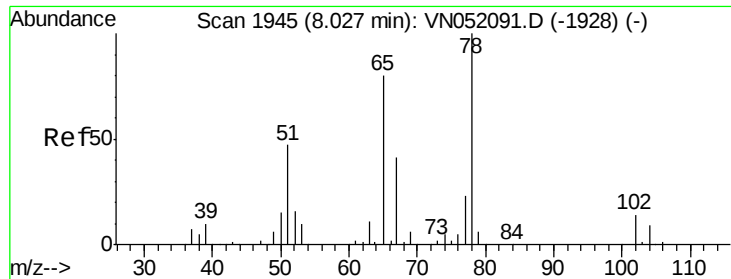
Tgt Ion: 76 Resp: 2847
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#23
tert-Butyl Alcohol
Concen: 0.524 ug/l
RT: 4.76 min Scan# 928
Delta R.T. -0.02 min
Lab File: VN052096.D
Acq: 1 Nov 2018 11:53

Tgt Ion: 59 Resp: 101
Ion Ratio Lower Upper
59 100
52 36.6 0.3 0.5#

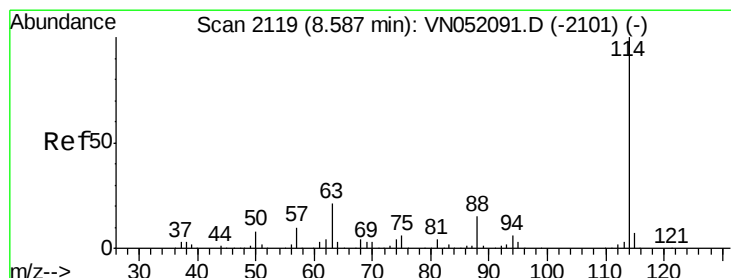
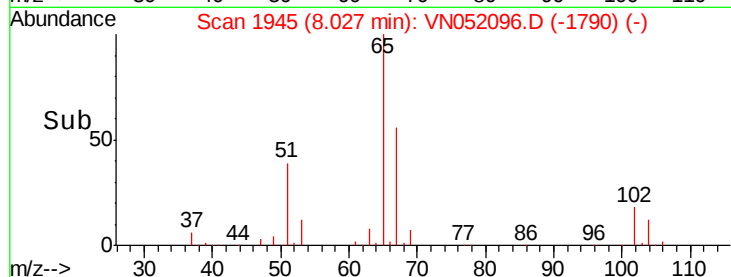
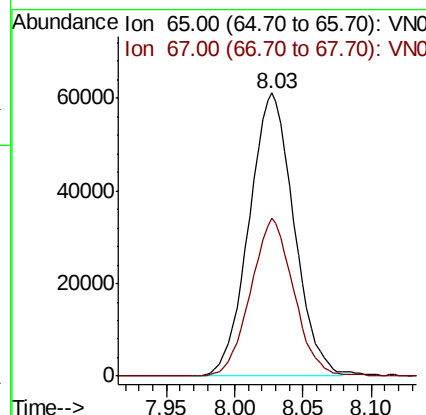
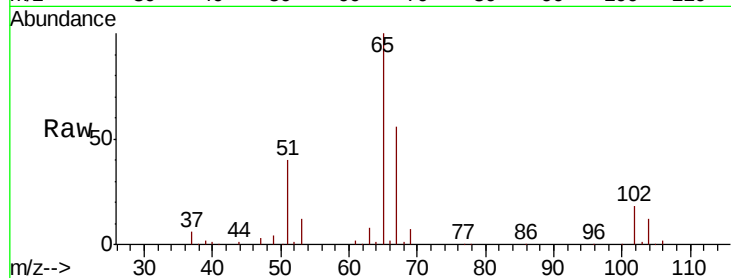




#27
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052096.D
 Acq: 1 Nov 2018 11:53

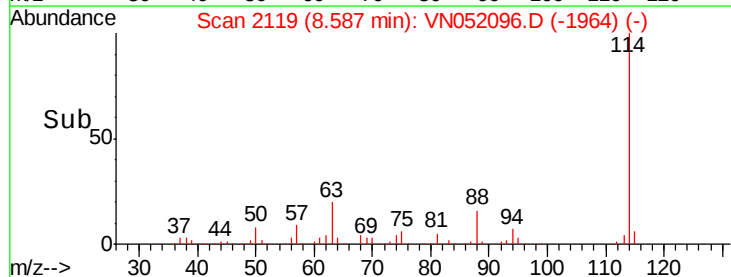
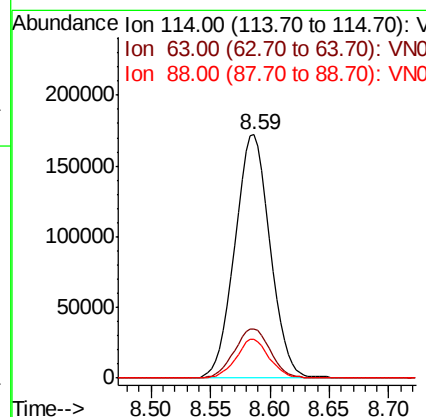
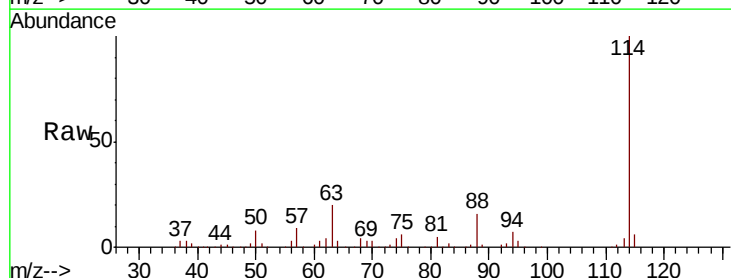
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBL01

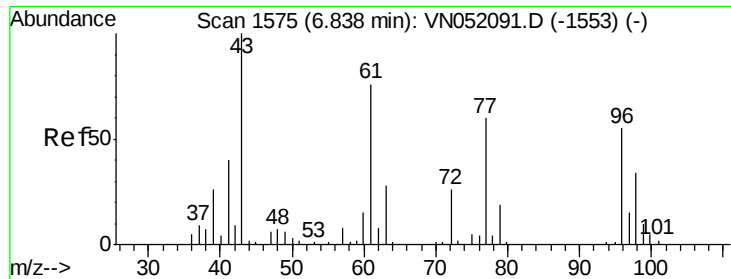
Tgt Ion: 65 Resp: 139506
 Ion Ratio Lower Upper
 65 100
 67 53.2 42.6 64.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052096.D
 Acq: 1 Nov 2018 11:53

Tgt Ion: 114 Resp: 353595
 Ion Ratio Lower Upper
 114 100
 63 20.8 17.5 26.3
 88 15.0 12.6 18.8

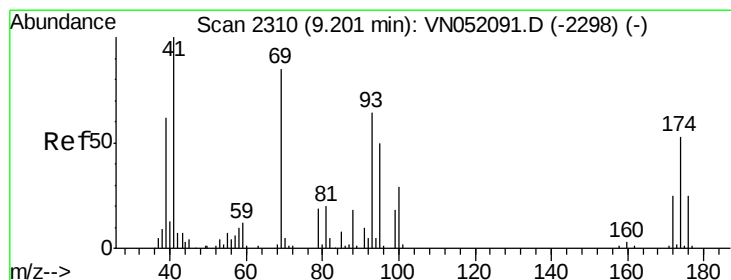
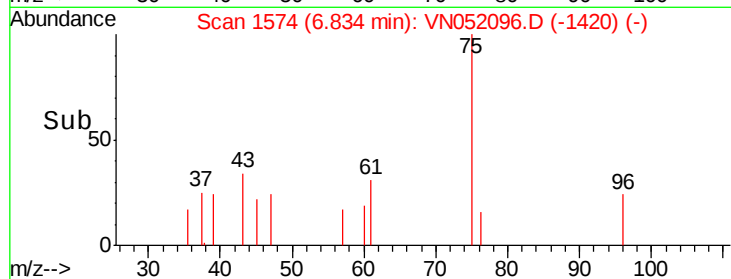
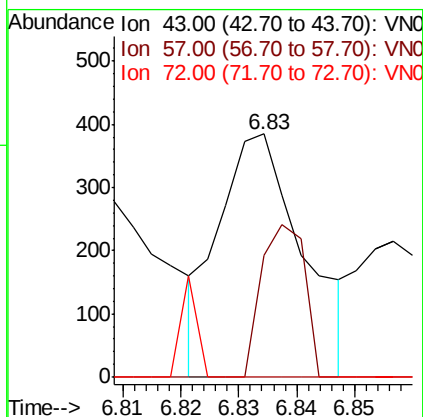
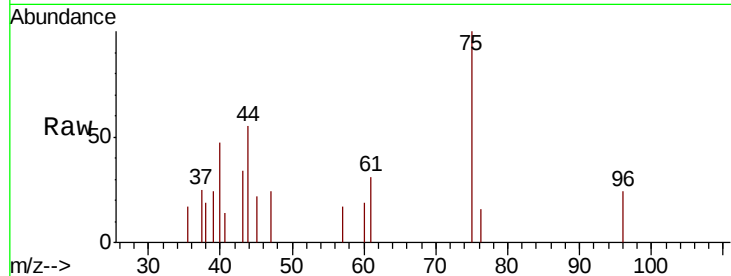




#30
 2-Butanone
 Concen: 0.260 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052096.D
 Acq: 1 Nov 2018 11:53

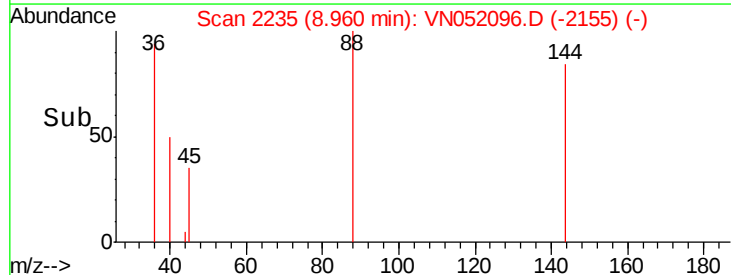
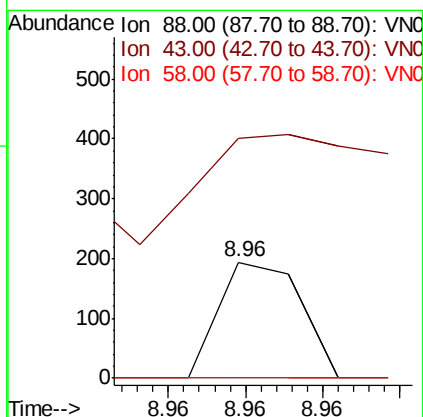
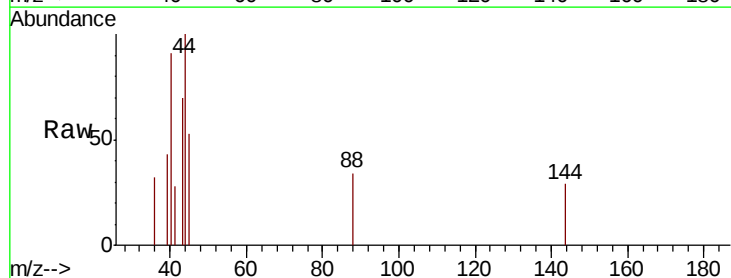
Instrument :
 MSVOA_N
 ClientSampled :
 VN1101WBL01

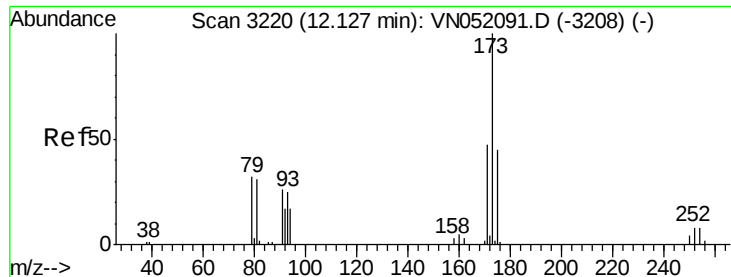
Tgt Ion: 43 Resp: 388
 Ion Ratio Lower Upper
 43 100
 57 32.5 6.6 9.8#
 72 0.0 9.2 13.8#



#45
 1,4-Dioxane
 Concen: 2.502 ug/l
 RT: 8.96 min Scan# 2235
 Delta R.T. -0.24 min
 Lab File: VN052096.D
 Acq: 1 Nov 2018 11:53

Tgt Ion: 88 Resp: 71
 Ion Ratio Lower Upper
 88 100
 43 283.1 28.6 43.0#
 58 0.0 37.8 56.8#





#56

Bromoform

Concen: 0.343 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN052096.D

Acq: 1 Nov 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBL01

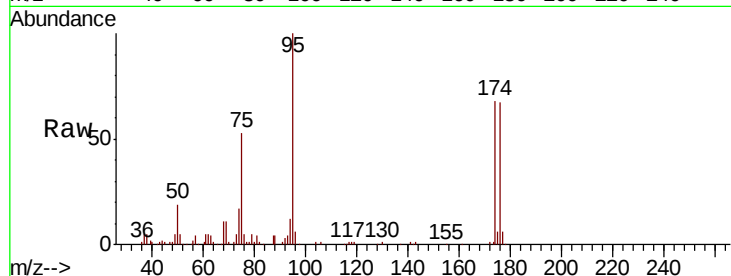
Tgt Ion:173 Resp: 763

Ion Ratio Lower Upper

173 100

175 1046.9 37.3 55.9#

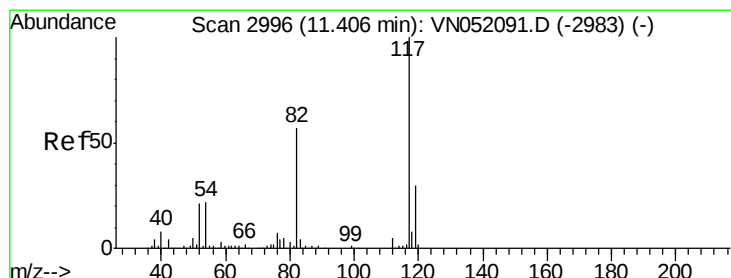
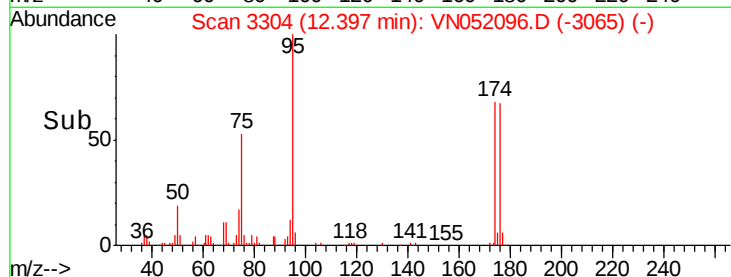
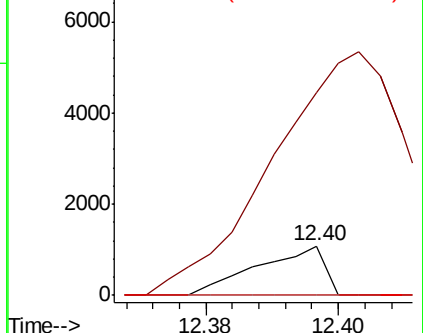
254 0.0 7.0 10.6#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052096.D

Acq: 1 Nov 2018 11:53

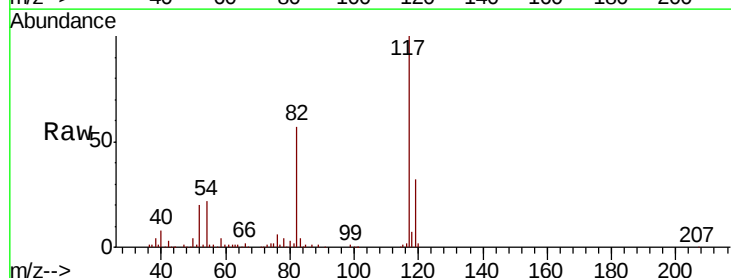
Tgt Ion:117 Resp: 298750

Ion Ratio Lower Upper

117 100

82 55.9 45.0 67.6

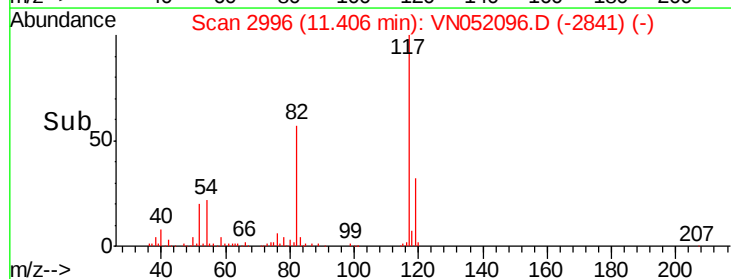
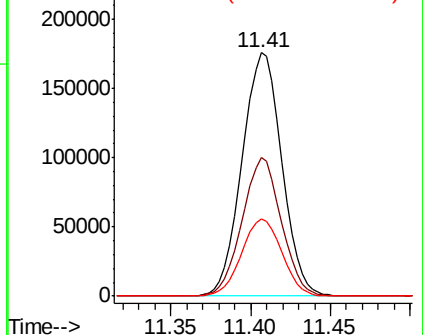
119 32.0 24.2 36.4

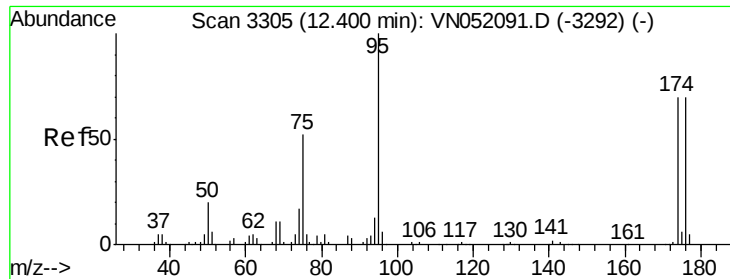


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V

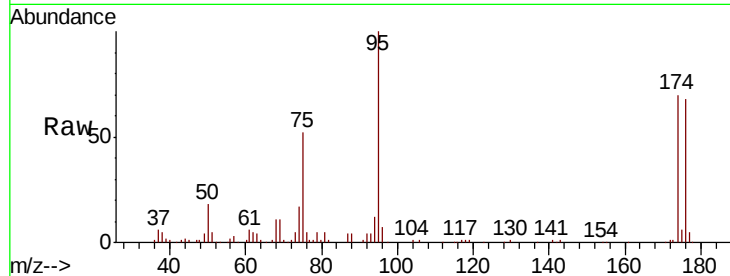




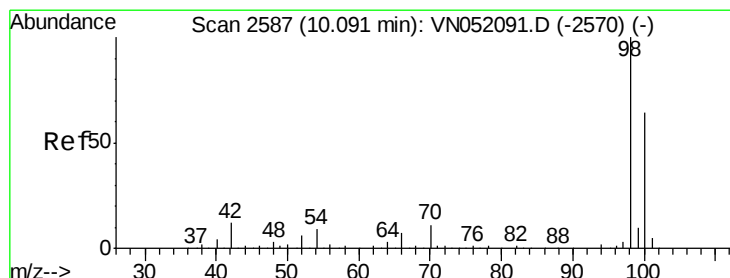
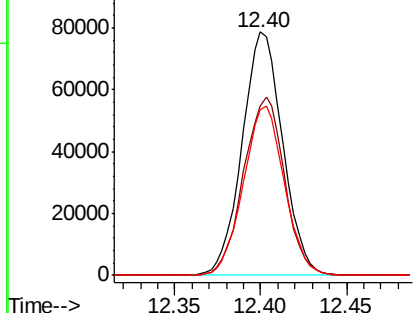
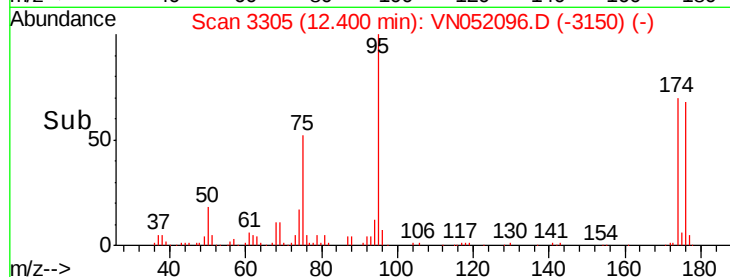
#60
 4-Bromofluorobenzene
 Concen: Below ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052096.D
 Acq: 1 Nov 2018 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBL01

Tgt Ion: 95 Resp: 128765
 Ion Ratio Lower Upper
 95 100
 174 74.0 55.0 82.6
 176 70.1 54.2 81.4

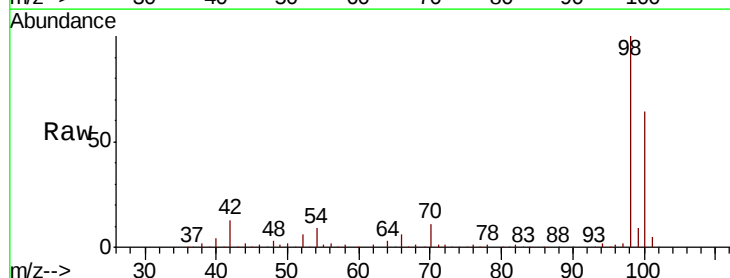


Abundance Ion 95.00 (94.70 to 95.70): VN0
 Ion 174.00 (173.70 to 174.70): V
 Ion 176.00 (175.70 to 176.70): V

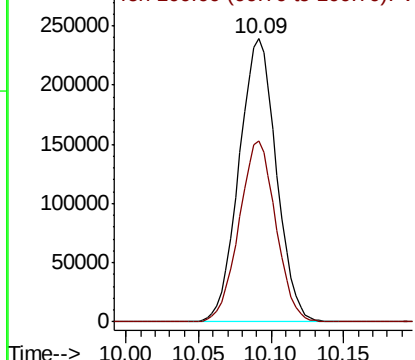
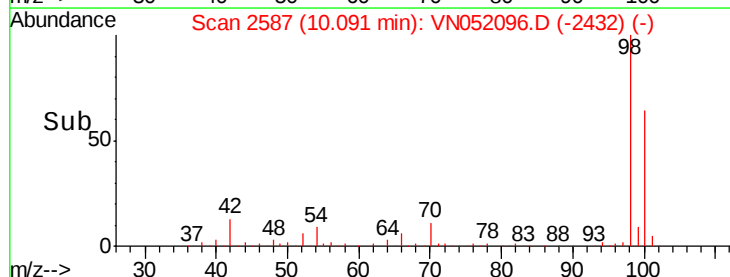


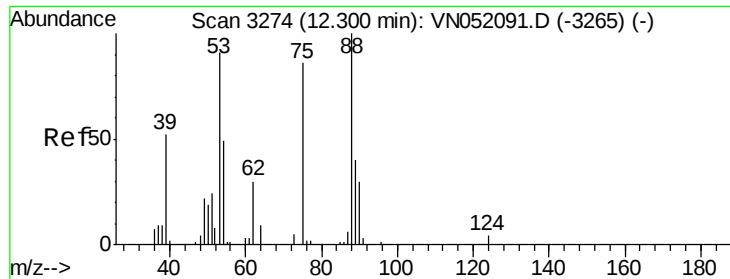
#63
 Toluene-d8
 Concen: Below ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN052096.D
 Acq: 1 Nov 2018 11:53

Tgt Ion: 98 Resp: 427721
 Ion Ratio Lower Upper
 98 100
 100 63.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): V

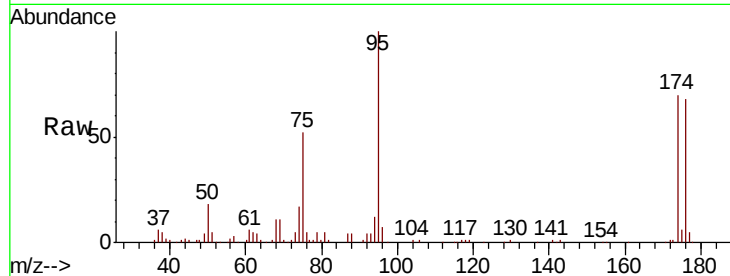




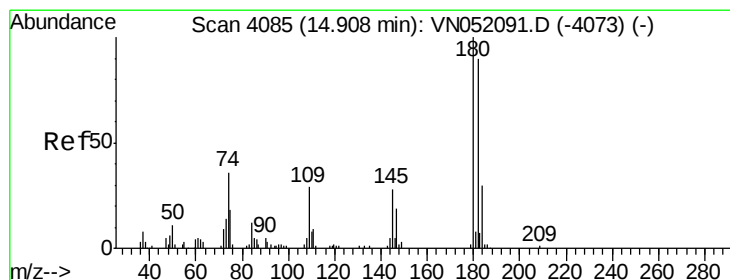
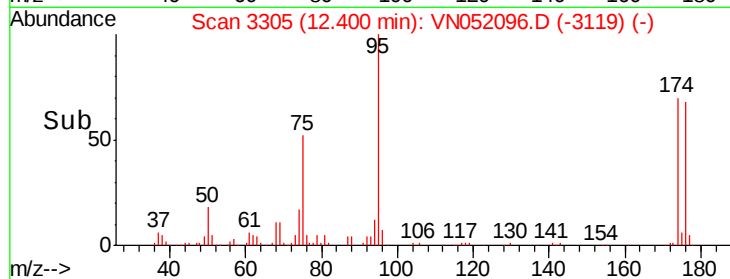
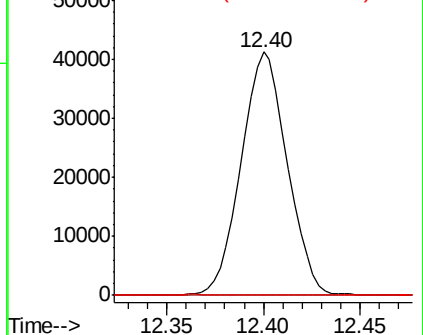
#77
t-1,4-Dichloro-2-butene
Concen: 63.167 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN052096.D
Acq: 1 Nov 2018 11:53

Instrument :
MSVOA_N
ClientSampled :
VN1101WBL01

Tgt Ion: 75 Resp: 68229
Ion Ratio Lower Upper
75 100
53 0.4 50.7 152.1#
89 0.0 23.8 71.5#

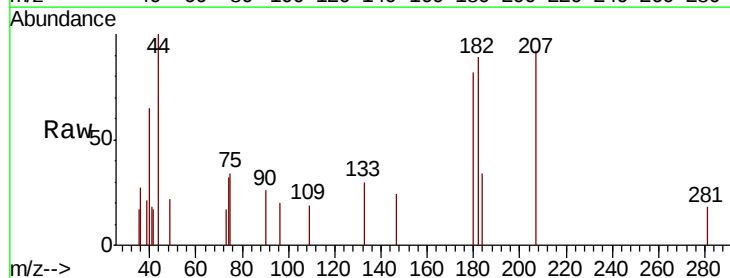


Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 89.00 (88.70 to 89.70): VN0

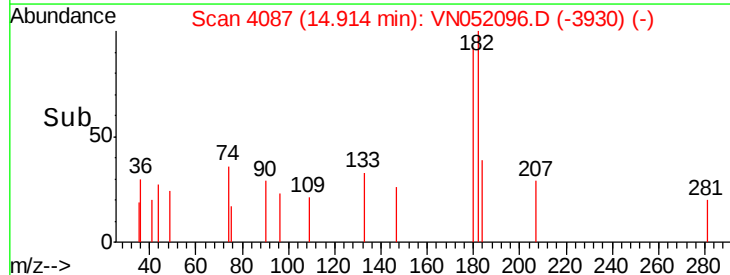
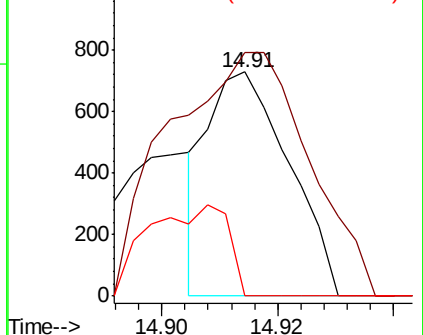


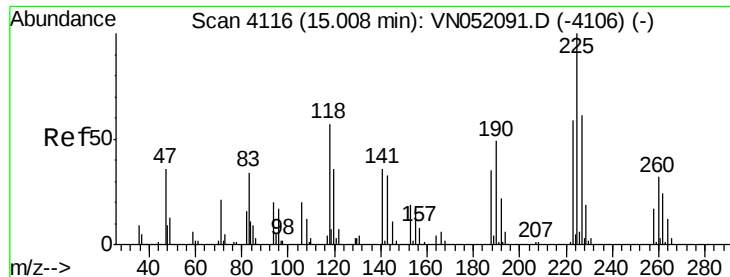
#89
1,2,4-Trichlorobenzene
Concen: 0.261 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. 0.01 min
Lab File: VN052096.D
Acq: 1 Nov 2018 11:53

Tgt Ion: 180 Resp: 703
Ion Ratio Lower Upper
180 100
182 189.2 74.0 111.0#
145 15.5 24.6 36.8#



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V





#90

Hexachlorobutadiene

Concen: 0.581 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN052096.D

Acq: 1 Nov 2018 11:53

Instrument :

MSVOA_N

ClientSampleId :

VN1101WBL01

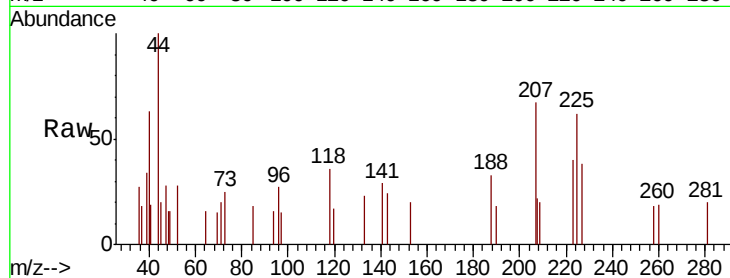
Tgt Ion:225 Resp: 858

Ion Ratio Lower Upper

225 100

223 52.7 0.0 121.2

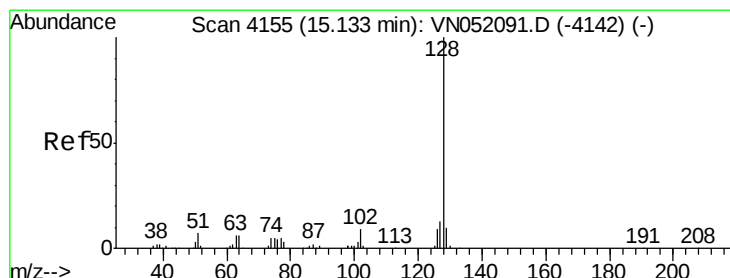
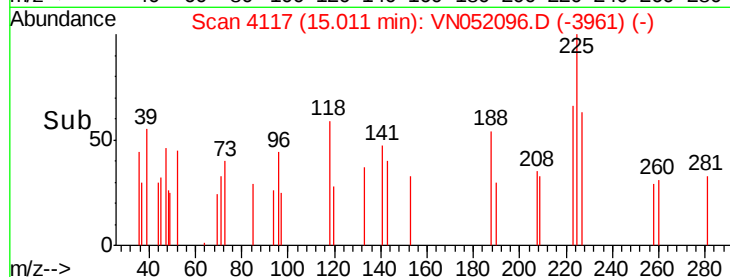
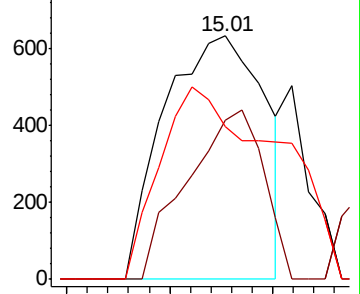
227 66.7 0.0 127.2



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 0.373 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052096.D

Acq: 1 Nov 2018 11:53

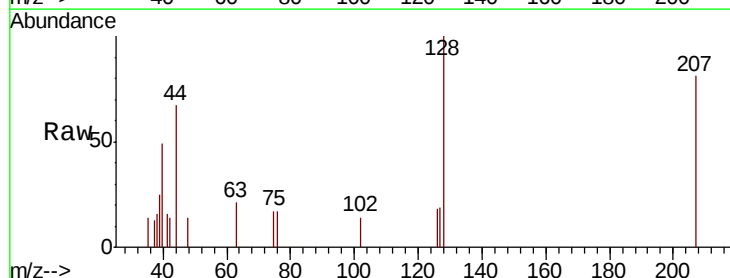
Tgt Ion:128 Resp: 2322

Ion Ratio Lower Upper

128 100

127 5.2 10.4 15.6#

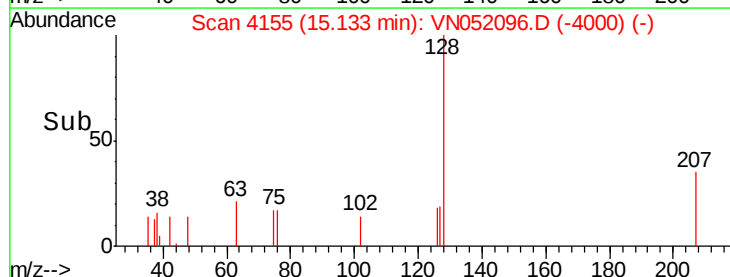
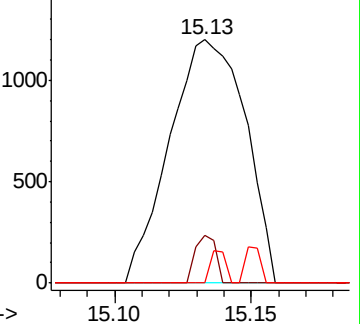
129 2.6 8.3 12.5#

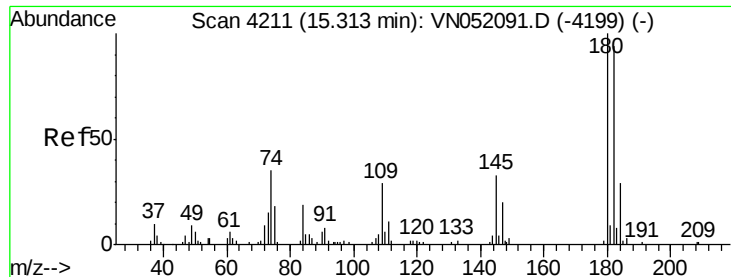


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

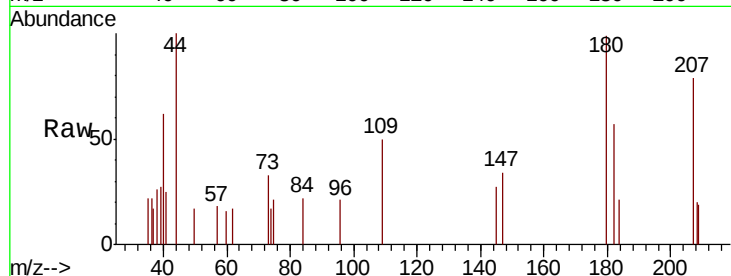




#92
 1,2,3-Trichlorobenzene
 Concen: 0.716 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN052096.D
 Acq: 1 Nov 2018 11:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1101WBL01

Tgt Ion:180 Resp: 1683
 Ion Ratio Lower Upper
 180 100
 182 60.9 0.0 186.6
 145 15.2 0.0 66.6



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

