

Data File : VN051911.D
Acq On : 18 Oct 2018 12:49
Operator : MD\SY
Sample : VN1018WBL02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBL02

Quant Time: Oct 19 06:46:52 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101718W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 19 05:11:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1030872	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1461766	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1234774	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	406701	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	538853	56.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.76%	
35) Dibromofluoromethane	7.59	113	557263	59.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.96%	
50) Toluene-d8	10.09	98	1995759	59.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.02%	
62) 4-Bromofluorobenzene	12.40	95	534301	47.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.66%	

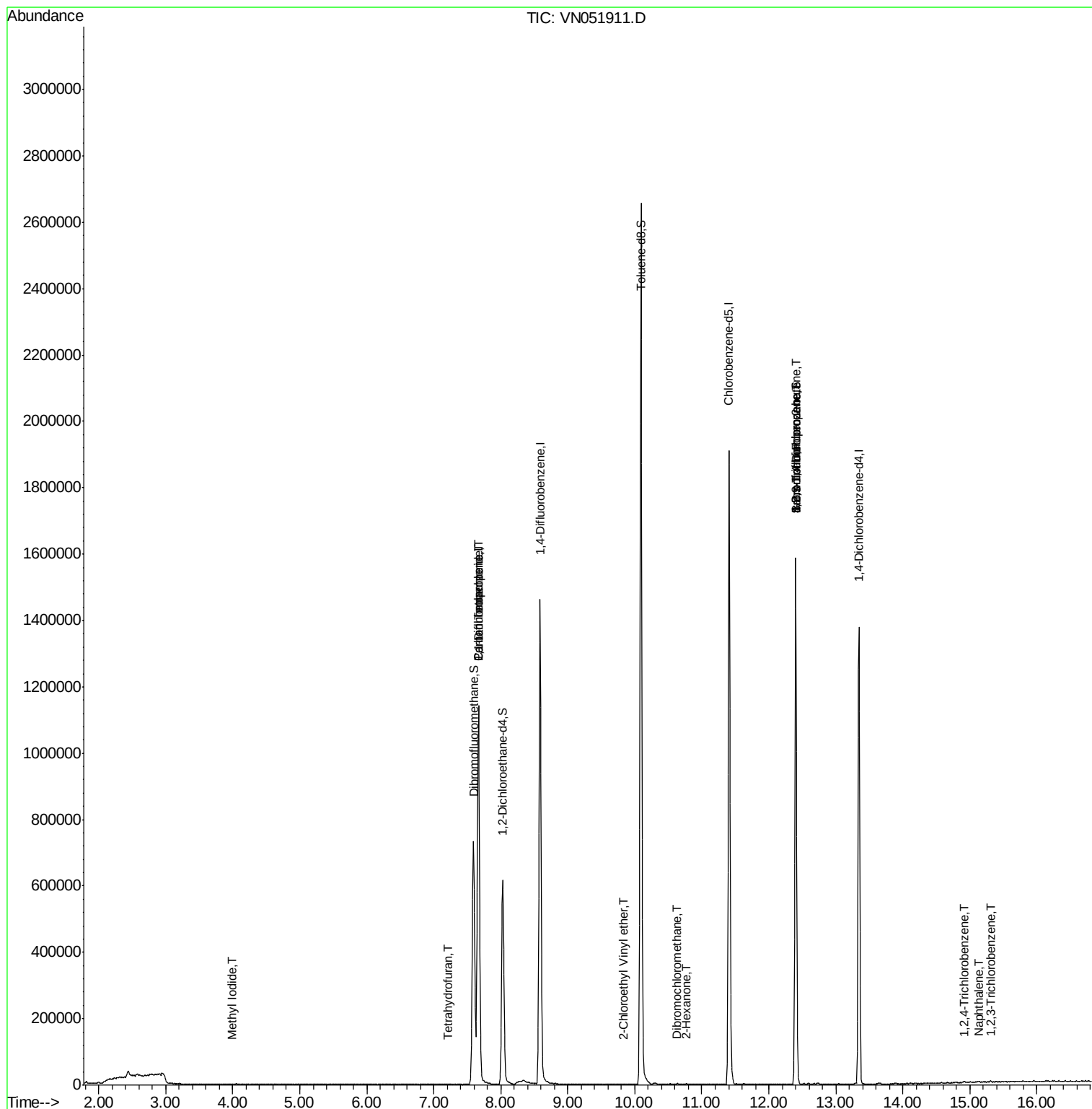
Target Compounds			Qvalue			
5) Bromomethane	2.58	94	3201	Below Cal	#	78
10) Methyl Iodide	3.97	142	30	3.284 ug/l	#	41
13) Acrolein	3.62	56	109	Below Cal	#	18
18) Methyl Acetate	4.35	43	1335	Below Cal		94
29) Tetrahydrofuran	7.22	42	566	0.383 ug/l	#	63
31) Cyclohexane	7.67	56	17361	Below Cal	#	39
36) 1,1-Dichloropropene	7.66	75	63350	5.584 ug/l	#	48
37) Ethyl Acetate	6.95	43	193	Below Cal	#	64
38) Carbon Tetrachloride	7.67	117	91639	6.859 ug/l	#	15
43) Isopropyl Acetate	8.10	43	174	Below Cal	#	49
58) 2-Chloroethyl Vinyl ether	9.82	63	73	2.768 ug/l	#	40
59) 2-Hexanone	10.77	43	1279	0.361 ug/l	#	58
60) Dibromochloromethane	10.63	129	281	2.075 ug/l	#	11
71) Bromoform	12.40	173	4641	3.862 ug/l	#	1
76) 1,2,3-Trichloropropane	12.40	75	266293	53.870 ug/l	#	100
79) 2-Chlorotoluene	12.68	91	742	Below Cal		74
81) trans-1,4-Dichloro-2-buten	12.40	75	266293	177.016 ug/l	#	14
93) 1,2,4-Trichlorobenzene	14.91	180	1414	4.258 ug/l	#	68
95) Naphthalene	15.13	128	3763	4.321 ug/l	#	87
96) 1,2,3-Trichlorobenzene	15.32	180	1045	3.069 ug/l	#	73

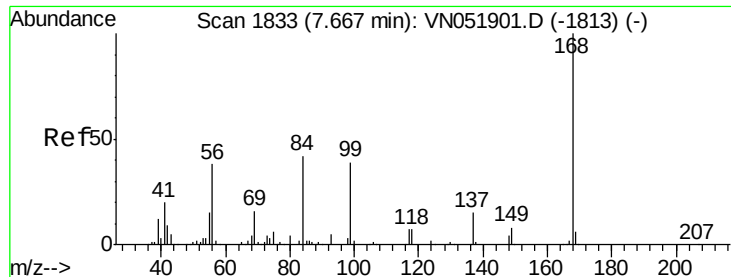
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN051911.D

Acq: 18 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

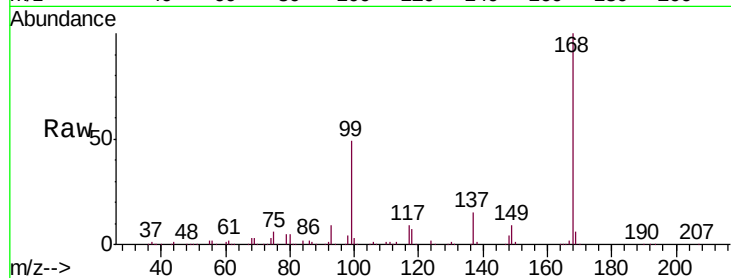
VN1018WBL02

Tgt Ion:168 Resp: 1030872

Ion Ratio Lower Upper

168 100

99 48.9 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VN051911.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN051911.D (-1740) (-)

7.67

400000

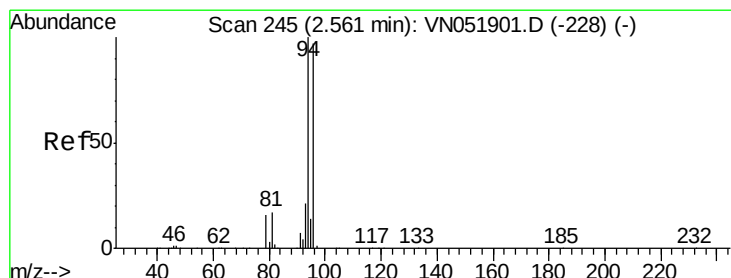
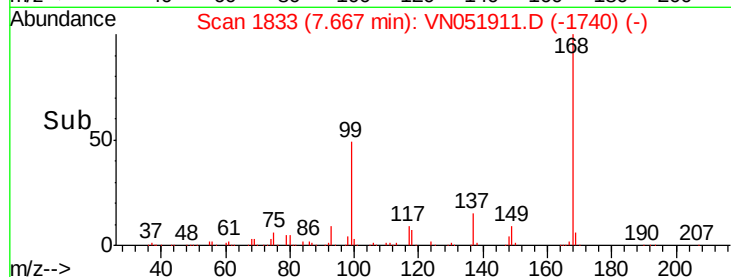
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.58 min Scan# 250

Delta R.T. 0.02 min

Lab File: VN051911.D

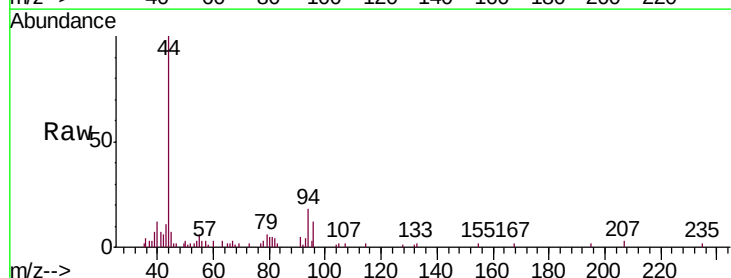
Acq: 18 Oct 2018 12:49

Tgt Ion: 94 Resp: 3201

Ion Ratio Lower Upper

94 100

96 75.5 77.5 116.3#



Abundance Ion 93.90 (93.60 to 94.60): VN051911.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VN051911.D (-152) (-)

2.58

2000

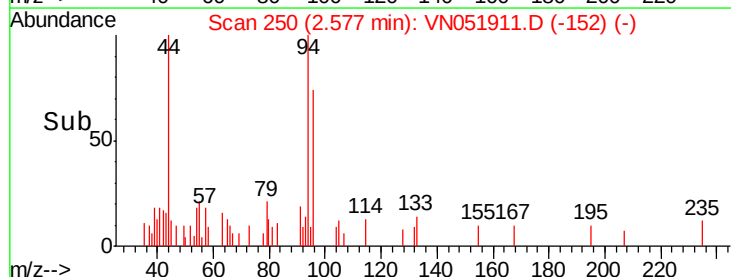
1500

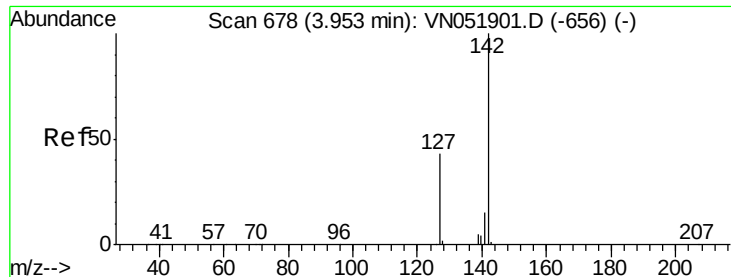
1000

500

0

Time-->

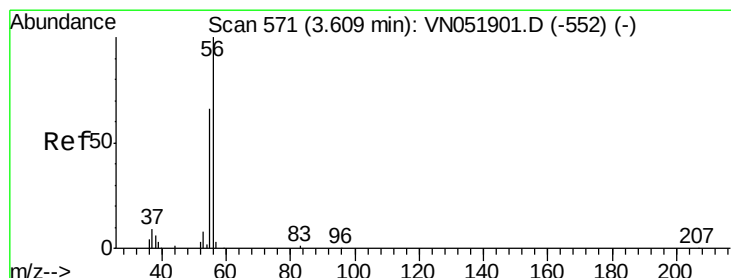
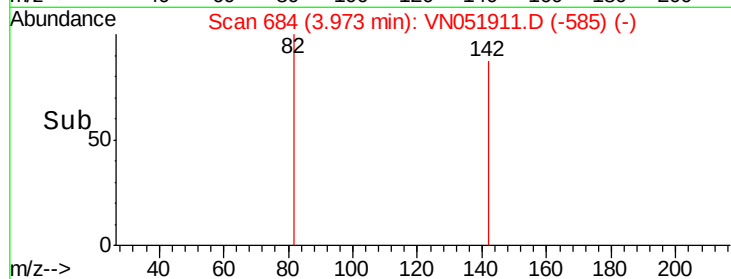
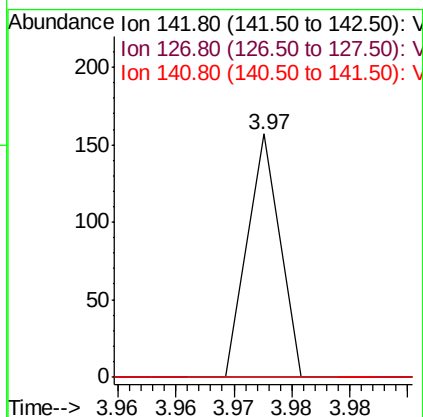
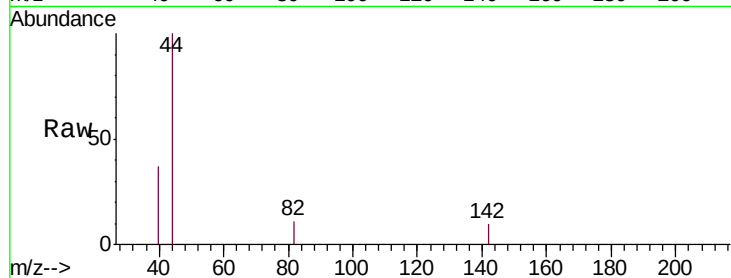




#10
Methyl Iodide
Concen: 3.284 ug/l
RT: 3.97 min Scan# 684
Delta R.T. 0.02 min
Lab File: VN051911.D
Acq: 18 Oct 2018 12:49

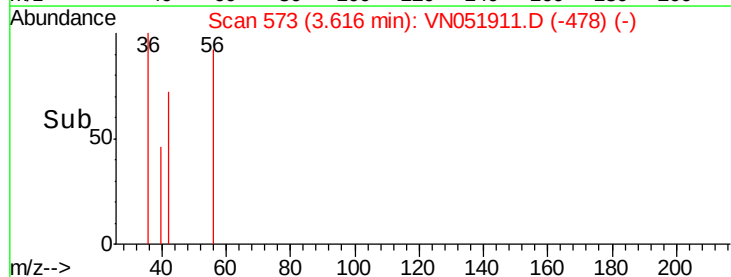
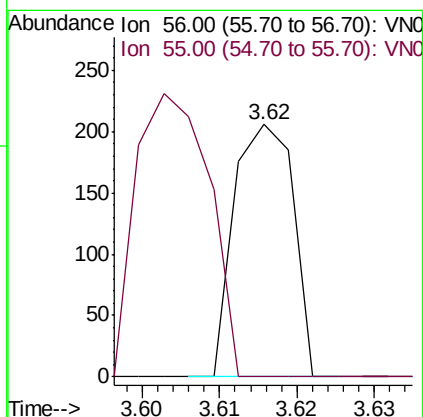
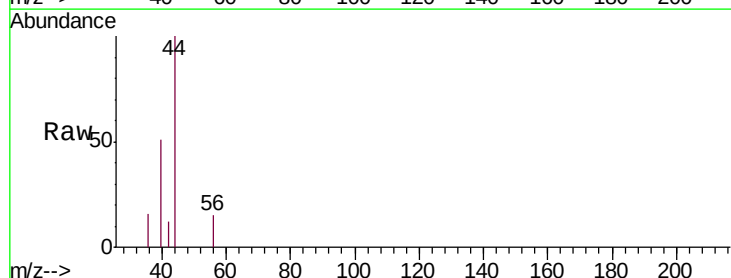
Instrument :
MSVOA_N
ClientSampleId :
VN1018WBL02

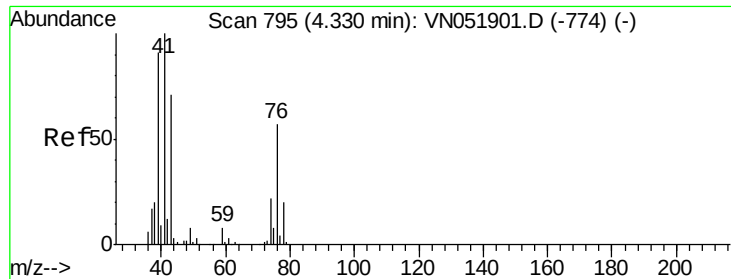
Tgt Ion: 142 Resp: 30
Ion Ratio Lower Upper
142 100
127 0.0 34.3 51.5#
141 0.0 11.1 16.7#



#13
Acrolein
Concen: Below Cal
RT: 3.62 min Scan# 573
Delta R.T. 0.01 min
Lab File: VN051911.D
Acq: 18 Oct 2018 12:49

Tgt Ion: 56 Resp: 109
Ion Ratio Lower Upper
56 100
55 138.5 56.7 85.1#

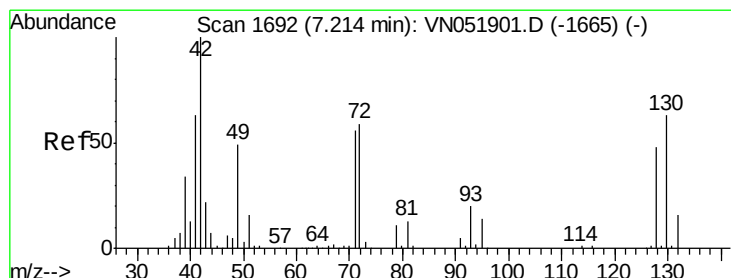
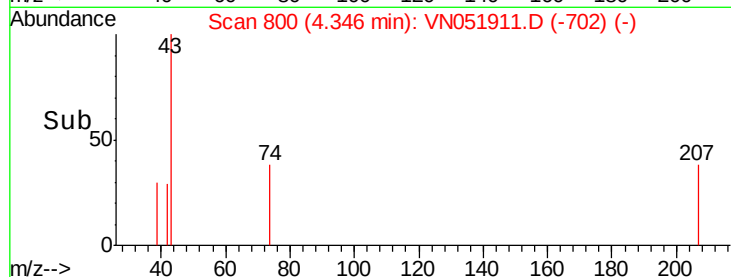
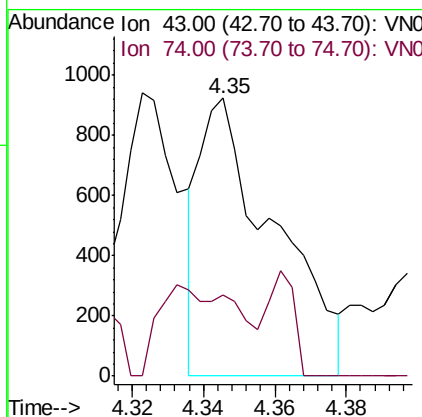
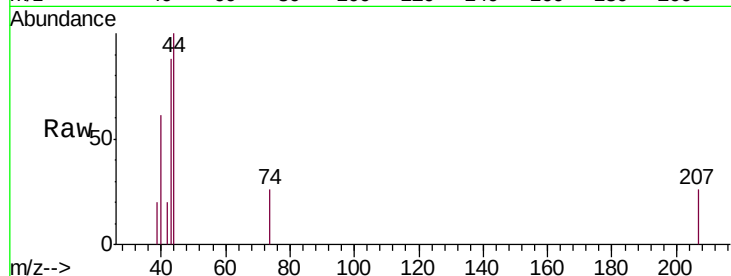




#18
Methyl Acetate
Concen: Below Cal
RT: 4.35 min Scan# 800
Delta R.T. 0.02 min
Lab File: VN051911.D
Acq: 18 Oct 2018 12:49

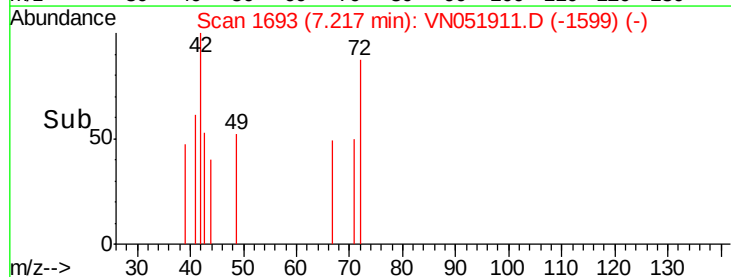
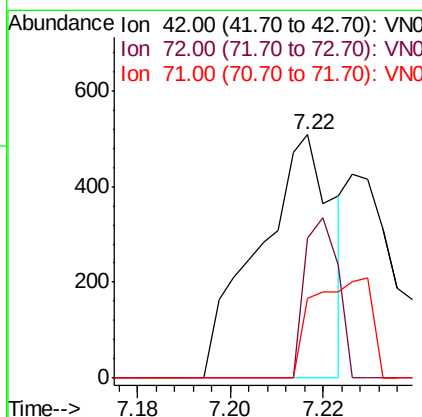
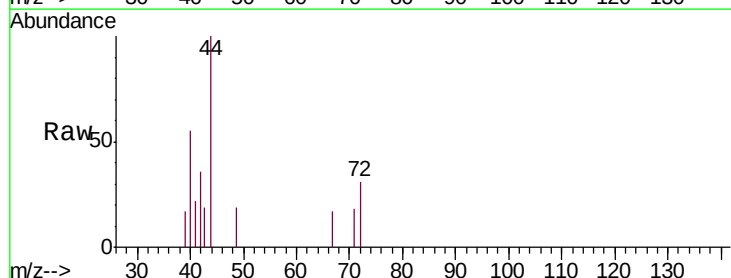
Instrument :
MSVOA_N
ClientSampleId :
VN1018WBL02

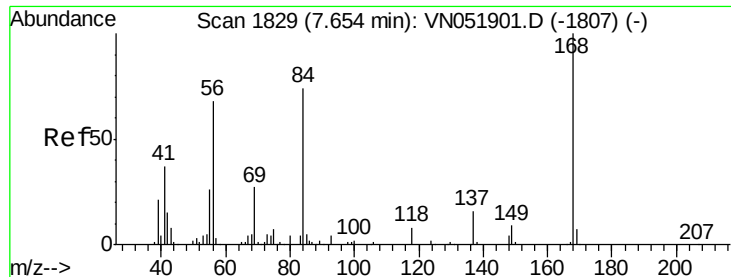
Tgt Ion: 43 Resp: 1335
Ion Ratio Lower Upper
43 100
74 34.5 24.9 37.3



#29
Tetrahydrofuran
Concen: 0.383 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051911.D
Acq: 18 Oct 2018 12:49

Tgt Ion: 42 Resp: 566
Ion Ratio Lower Upper
42 100
72 29.5 47.7 71.5#
71 32.0 45.4 68.0#

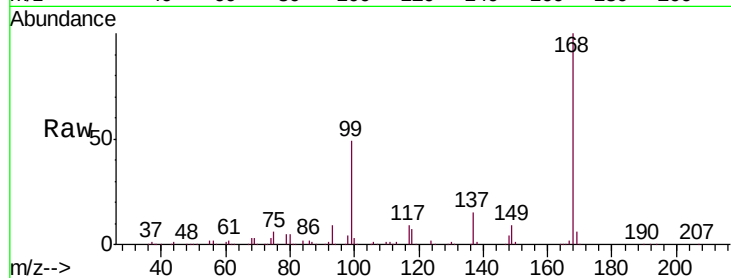




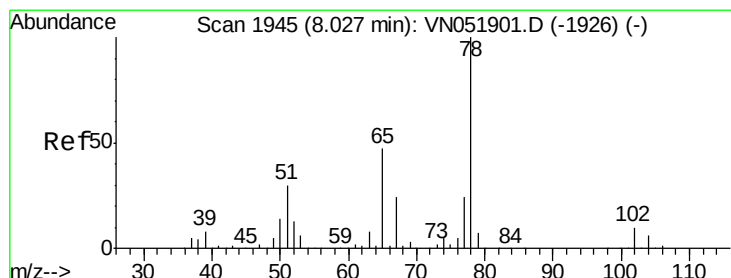
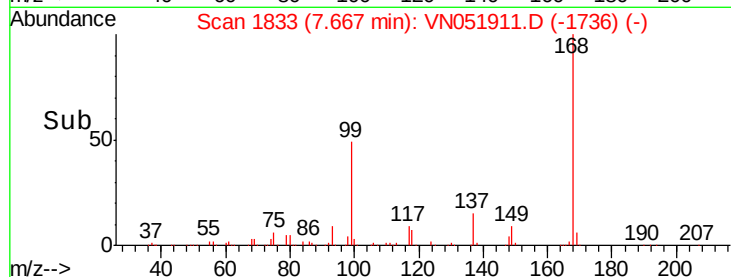
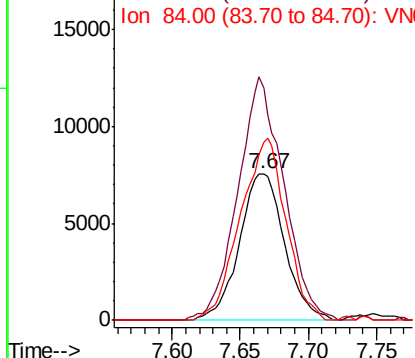
#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN051911.D
Acq: 18 Oct 2018 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBL02

Tgt Ion: 56 Resp: 17361
Ion Ratio Lower Upper
56 100
69 157.6 31.2 46.8#
84 121.5 86.6 130.0

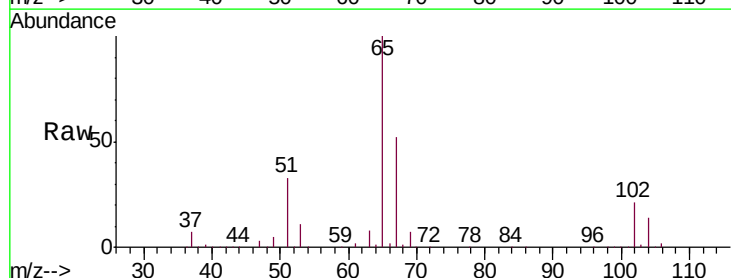


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

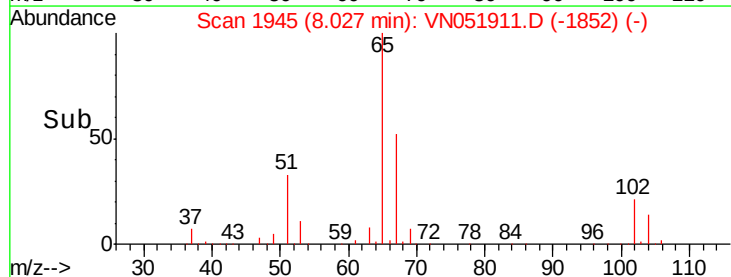
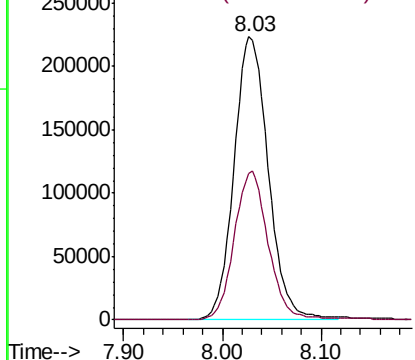


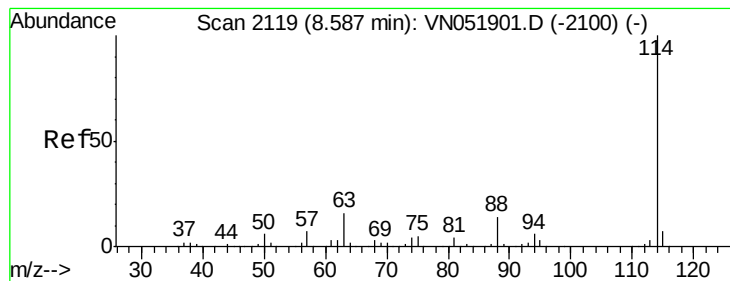
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN051911.D
Acq: 18 Oct 2018 12:49

Tgt Ion: 65 Resp: 538853
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.0



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: VN051911.D

Acq: 18 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBL02

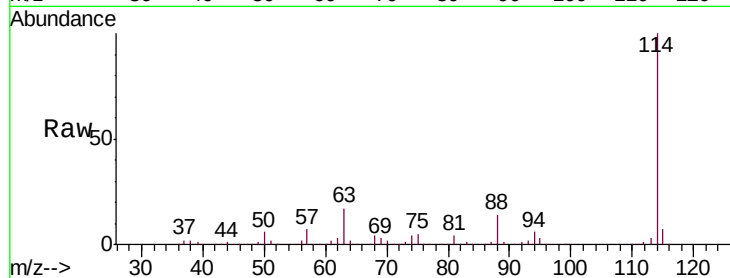
Tgt Ion:114 Resp: 1461766

Ion Ratio Lower Upper

114 100

63 16.5 0.0 31.8

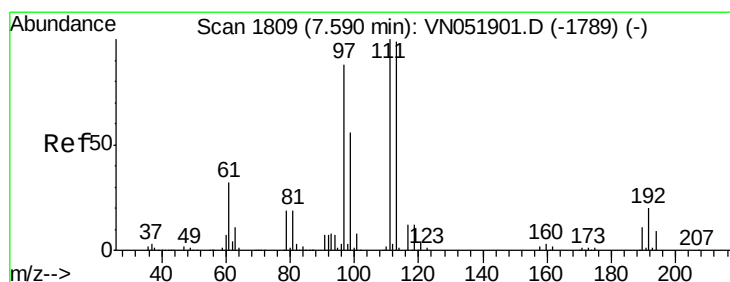
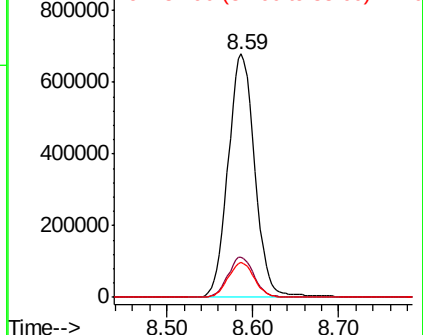
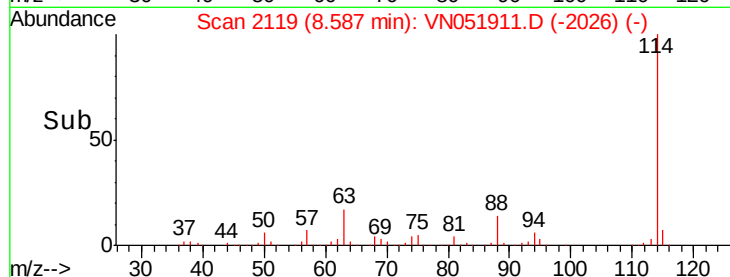
88 14.2 0.0 28.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN051911.D

Acq: 18 Oct 2018 12:49

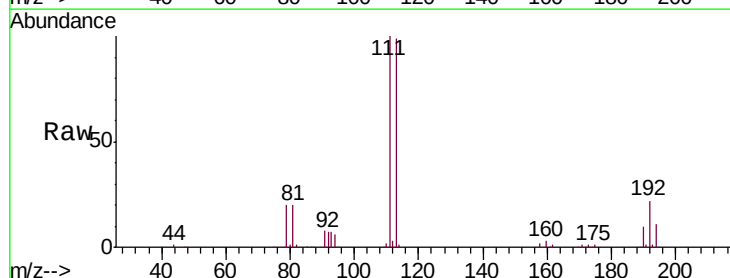
Tgt Ion:113 Resp: 557263

Ion Ratio Lower Upper

113 100

111 100.3 82.6 123.8

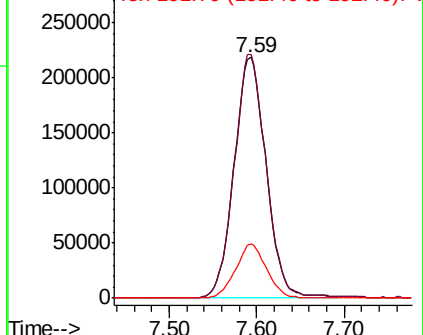
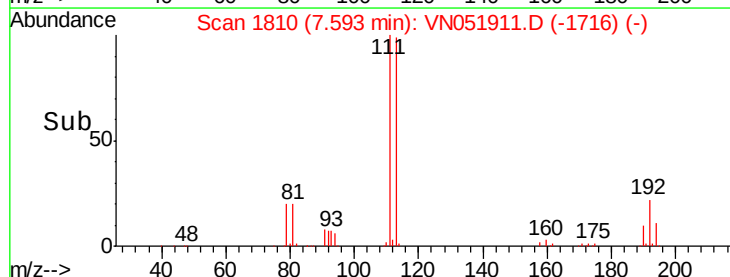
192 21.6 17.3 25.9

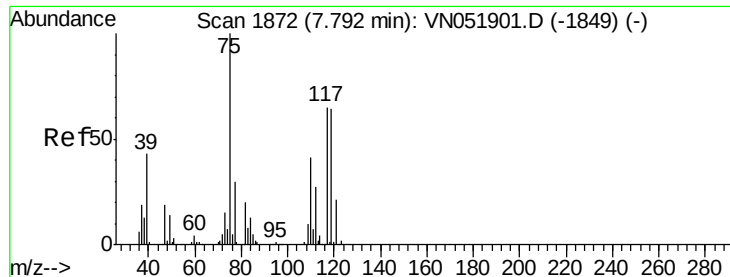


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

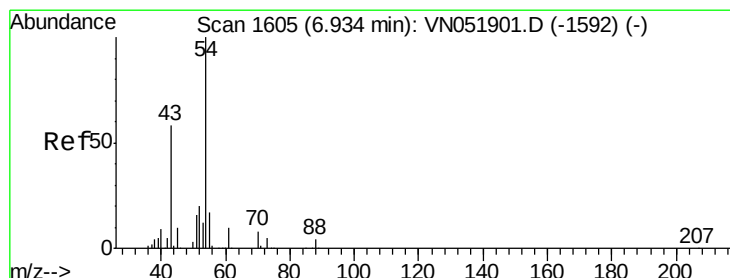
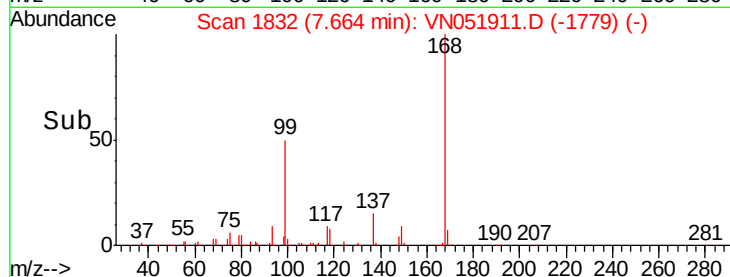
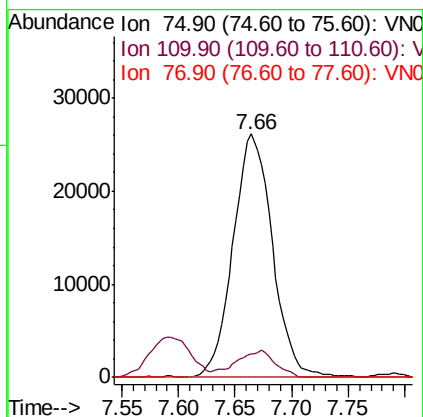
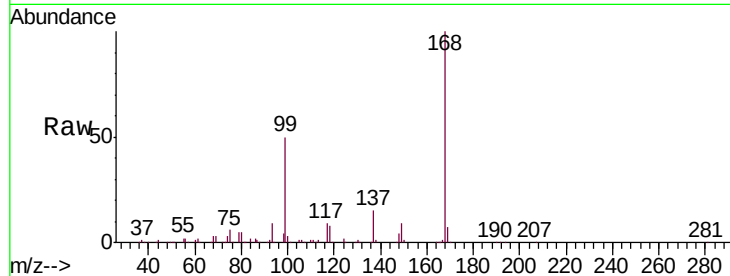




#36
 1,1-Dichloropropene
 Concen: 5.584 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN051911.D
 Acq: 18 Oct 2018 12:49

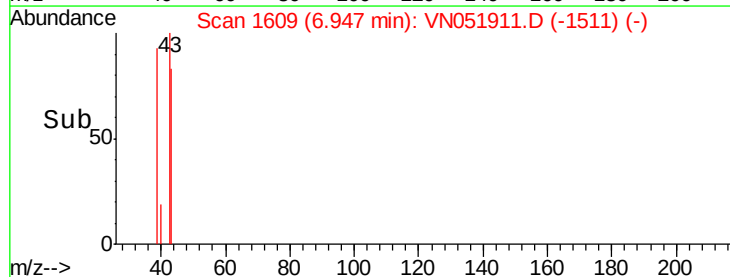
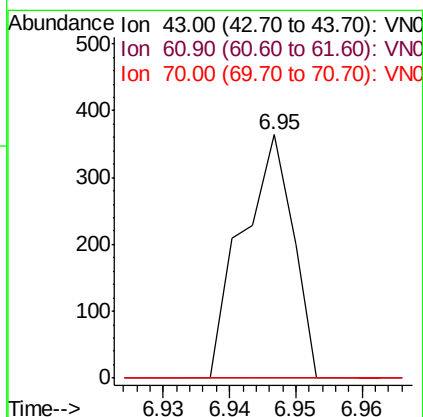
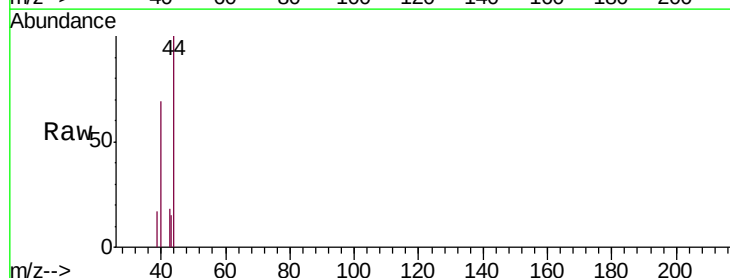
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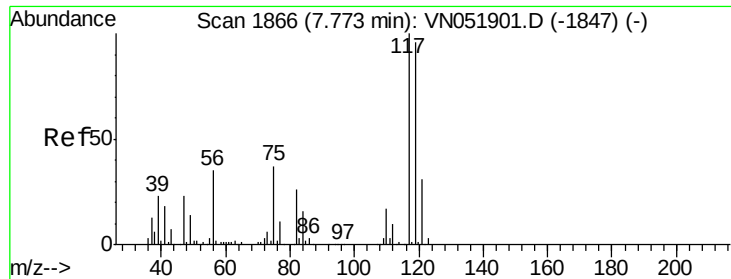
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.9	21.0	63.0#
77	0.0	24.9	37.3#



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 6.95 min Scan# 1609
 Delta R.T. 0.01 min
 Lab File: VN051911.D
 Acq: 18 Oct 2018 12:49

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.0	19.6#
70	0.0	10.4	15.6#





#38

Carbon Tetrachloride

Concen: 6.859 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051911.D

Acq: 18 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBL02

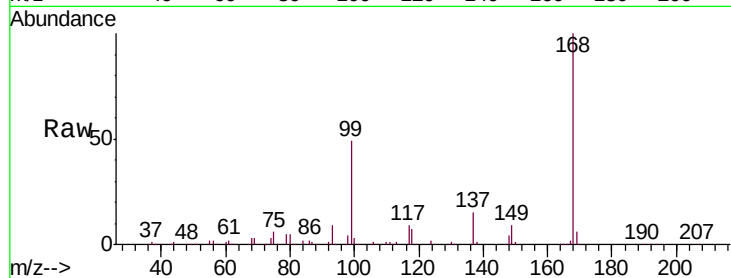
Tgt Ion:117 Resp: 91639

Ion Ratio Lower Upper

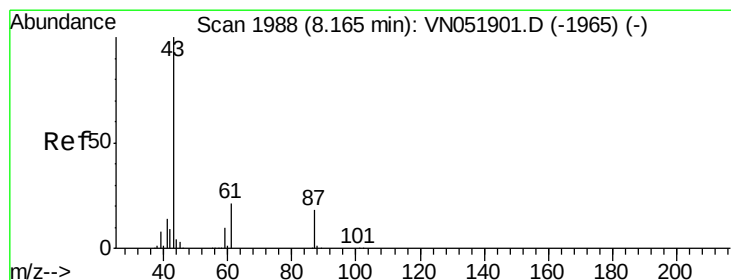
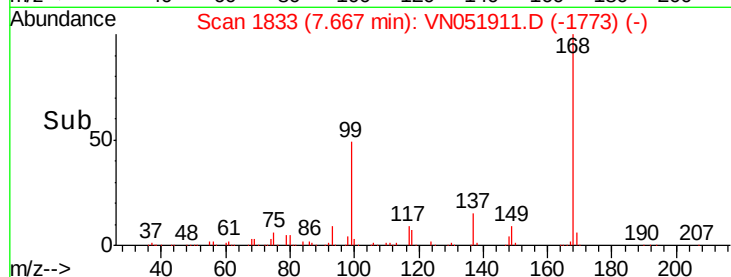
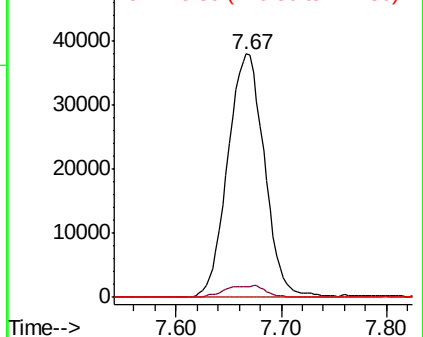
117 100

119 4.4 77.0 115.6#

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



#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.10 min Scan# 1969

Delta R.T. -0.06 min

Lab File: VN051911.D

Acq: 18 Oct 2018 12:49

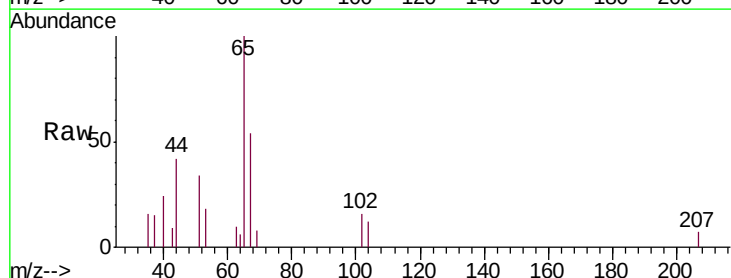
Tgt Ion: 43 Resp: 174

Ion Ratio Lower Upper

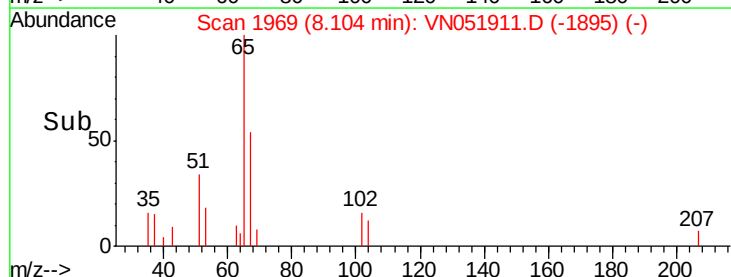
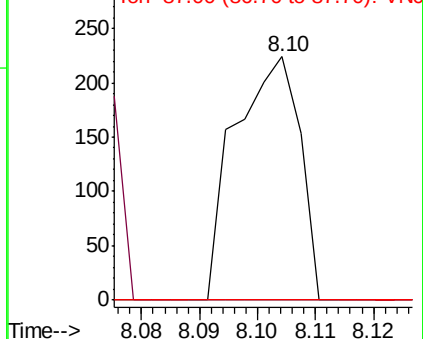
43 100

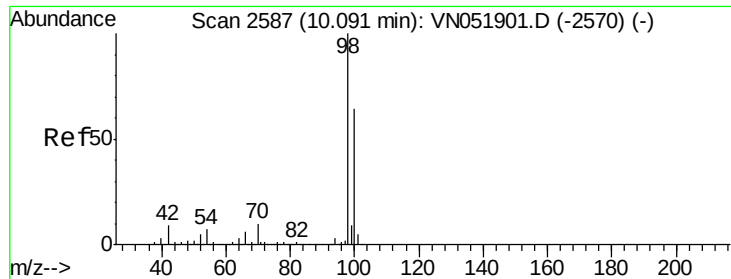
61 0.0 24.9 37.3#

87 0.0 14.6 22.0#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V

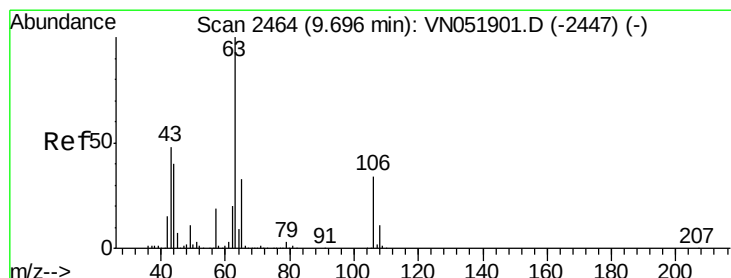
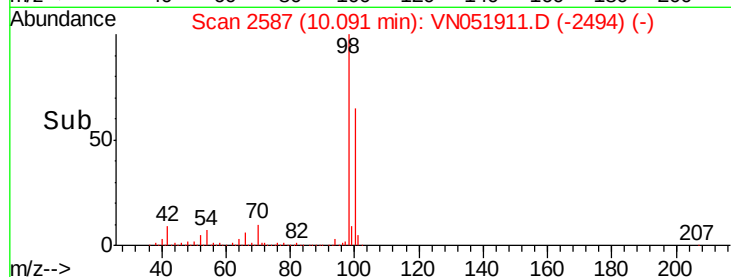
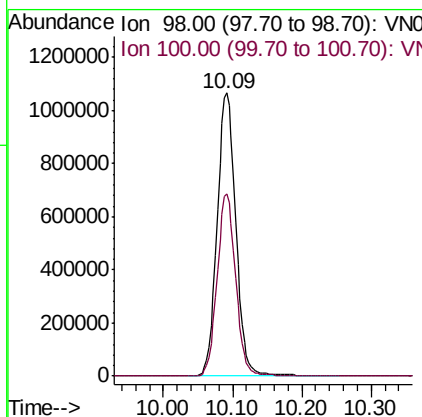
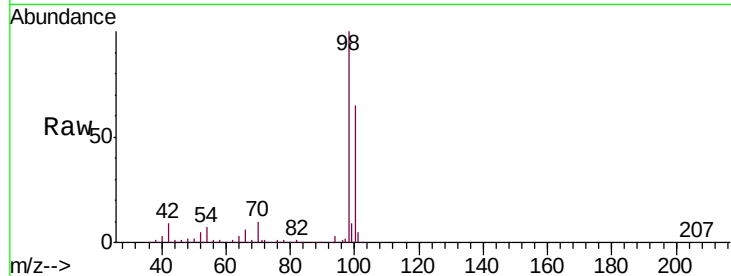




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051911.D
Acq: 18 Oct 2018 12:49

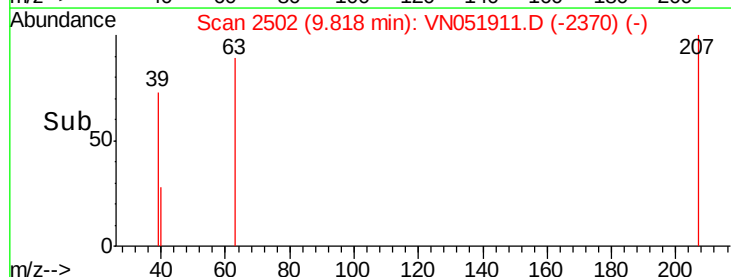
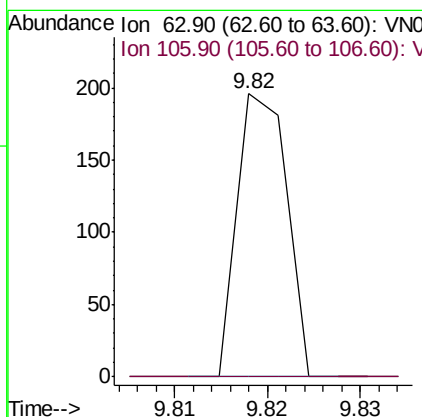
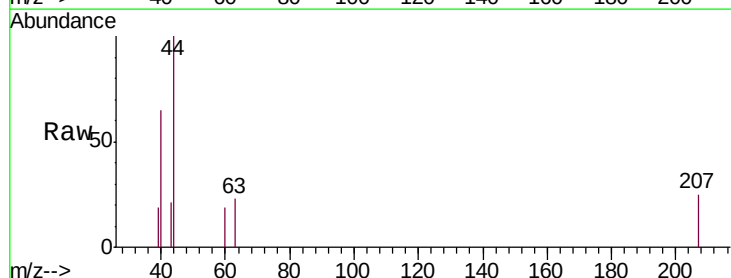
Instrument :
MSVOA_N
ClientSampleId :
VN1018WBL02

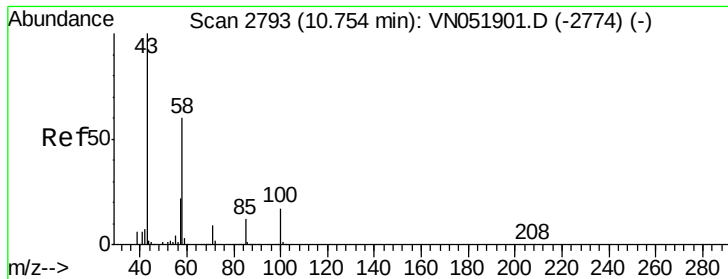
Tgt Ion: 98 Resp: 1995759
Ion Ratio Lower Upper
98 100
100 64.0 51.0 76.4



#58
2-Chloroethyl Vinyl ether
Concen: 2.768 ug/l
RT: 9.82 min Scan# 2502
Delta R.T. 0.12 min
Lab File: VN051911.D
Acq: 18 Oct 2018 12:49

Tgt Ion: 63 Resp: 73
Ion Ratio Lower Upper
63 100
106 0.0 27.5 41.3#

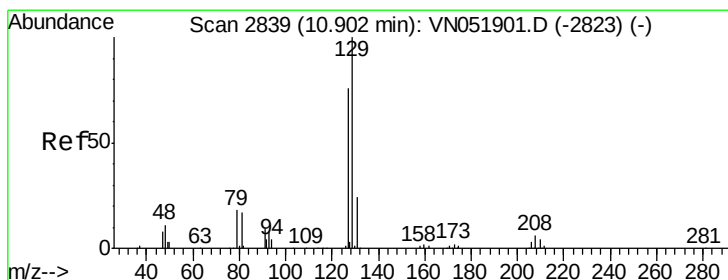
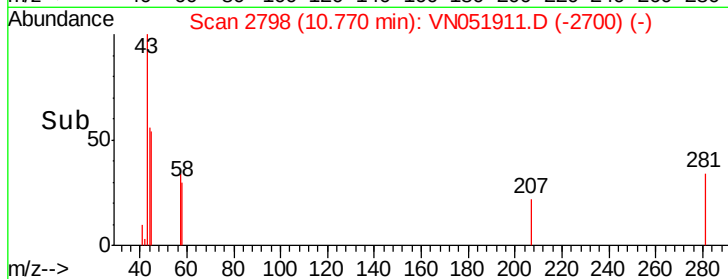
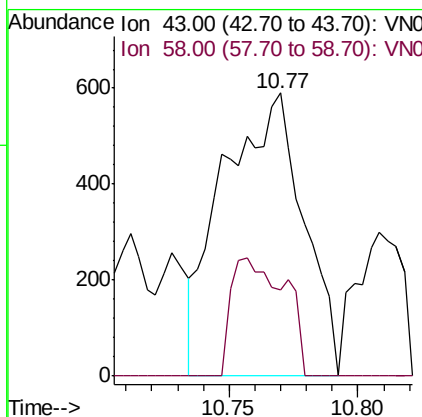
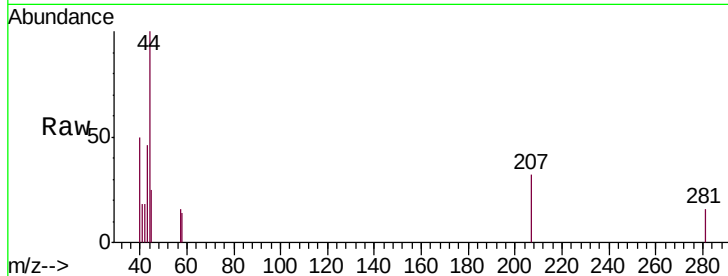




#59
2-Hexanone
Concen: 0.361 ug/l
RT: 10.77 min Scan# 2798
Delta R.T. 0.02 min
Lab File: VN051911.D
Acq: 18 Oct 2018 12:49

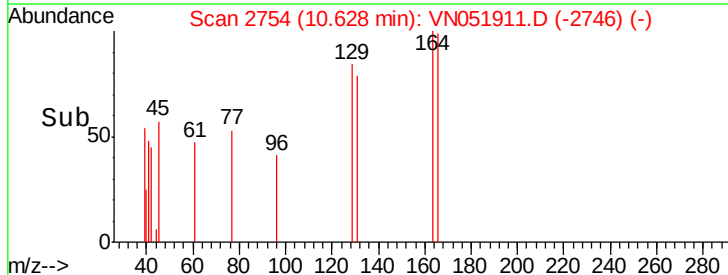
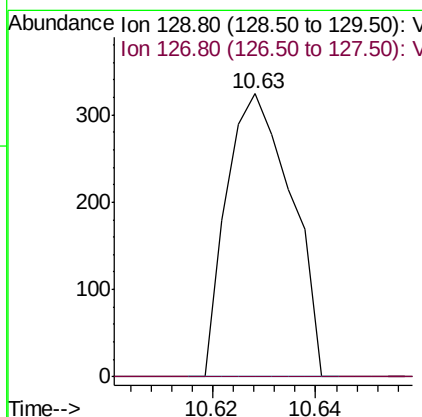
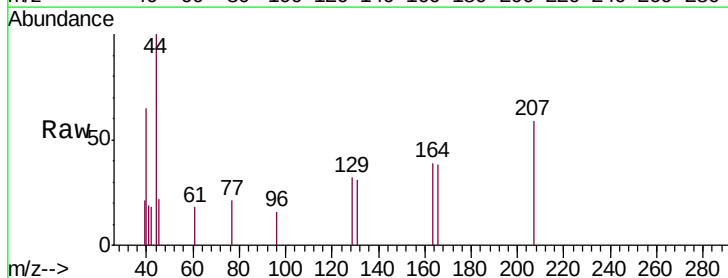
Instrument :
MSVOA_N
ClientSampleId :
VN1018WBL02

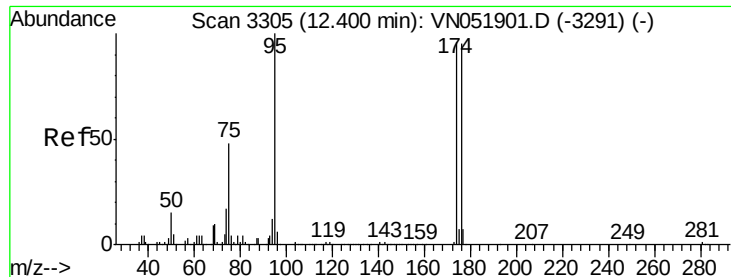
Tgt Ion: 43 Resp: 1279
Ion Ratio Lower Upper
43 100
58 27.8 29.8 89.5#



#60
Dibromochloromethane
Concen: 2.075 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.27 min
Lab File: VN051911.D
Acq: 18 Oct 2018 12:49

Tgt Ion: 129 Resp: 281
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.8#

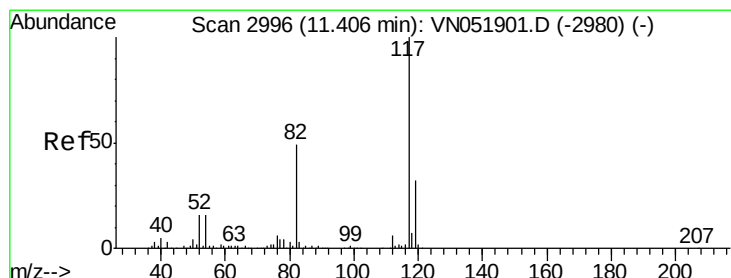
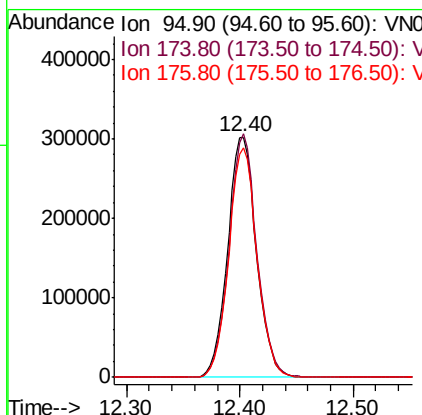
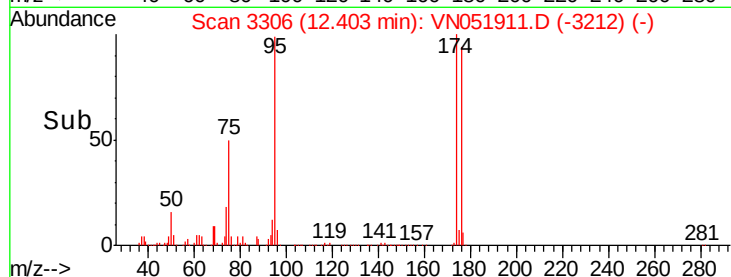
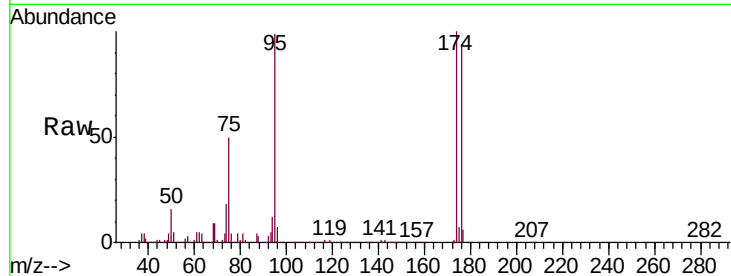




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051911.D
Acq: 18 Oct 2018 12:49

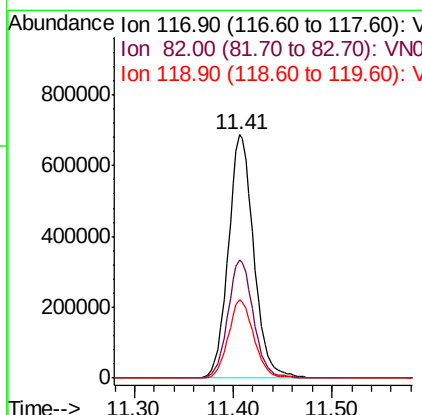
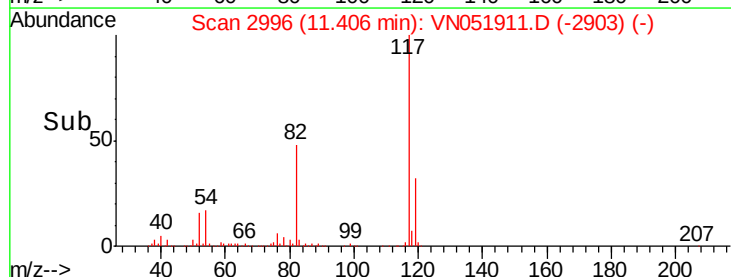
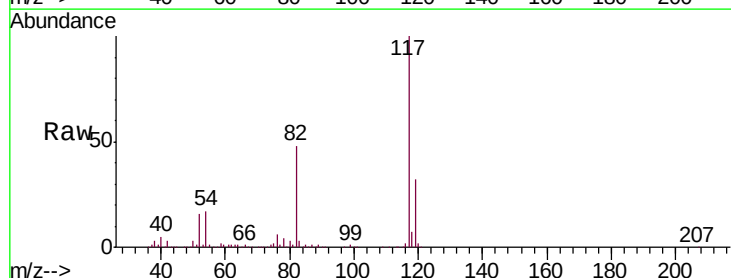
Instrument :
MSVOA_N
ClientSampleId :
VN1018WBL02

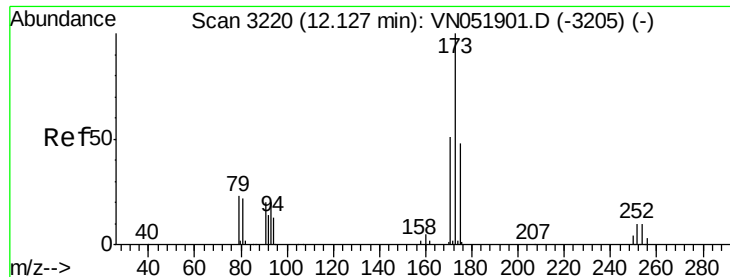
Tgt Ion: 95 Resp: 534301
Ion Ratio Lower Upper
95 100
174 98.0 0.0 195.0
176 93.6 0.0 191.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051911.D
Acq: 18 Oct 2018 12:49

Tgt Ion: 117 Resp: 1234774
Ion Ratio Lower Upper
117 100
82 48.4 38.9 58.3
119 32.0 25.9 38.9





#71

Bromoform

Concen: 3.862 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN051911.D

Acq: 18 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampled :

VN1018WBL02

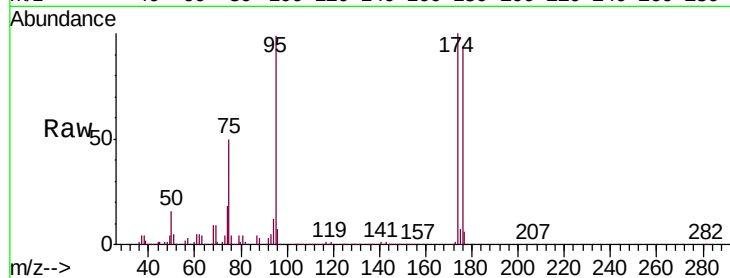
Tgt Ion:173 Resp: 4641

Ion Ratio Lower Upper

173 100

175 678.7 24.0 72.0#

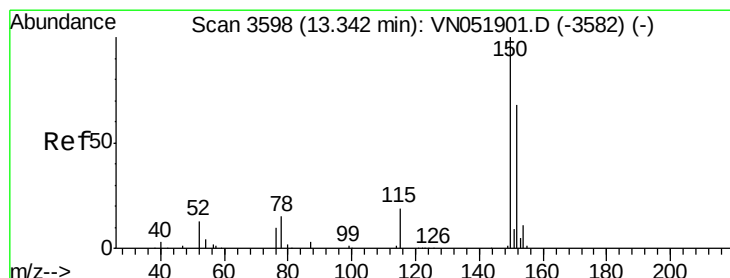
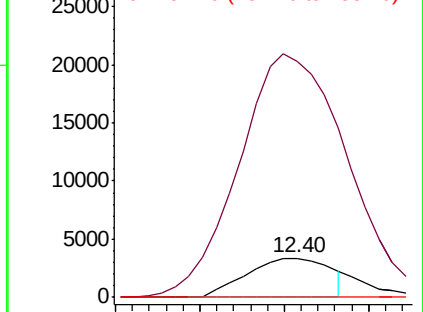
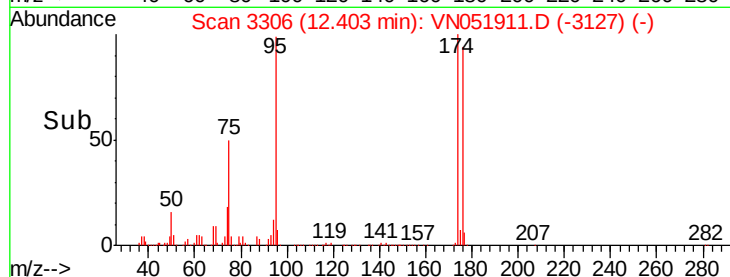
254 0.0 0.2 0.2#



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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051911.D

Acq: 18 Oct 2018 12:49

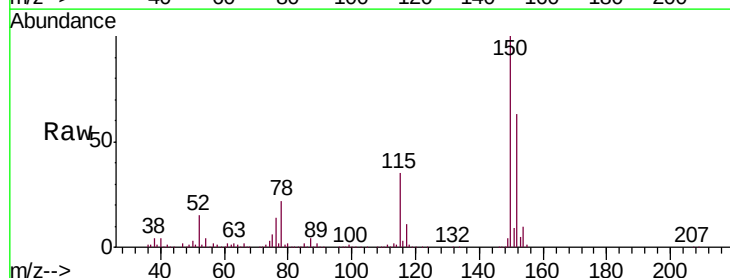
Tgt Ion:152 Resp: 406701

Ion Ratio Lower Upper

152 100

115 55.3 26.7 80.1

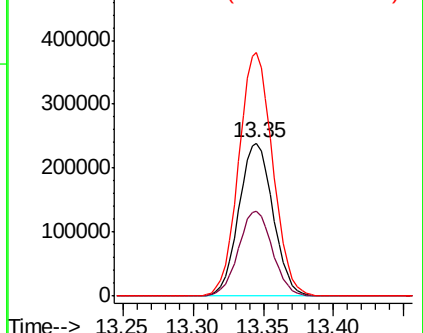
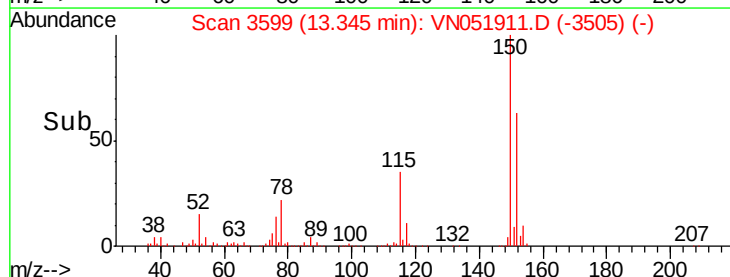
150 158.0 0.0 346.4

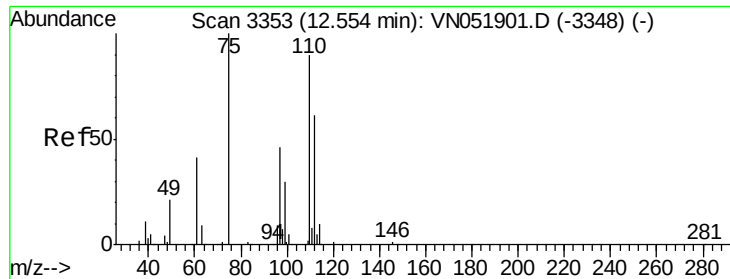


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 53.870 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051911.D

Acq: 18 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

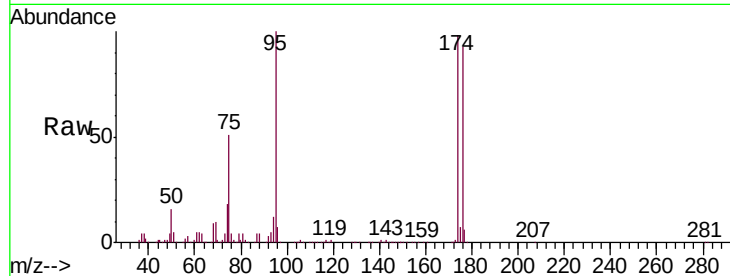
VN1018WBL02

Tgt Ion: 75 Resp: 266293

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

150000

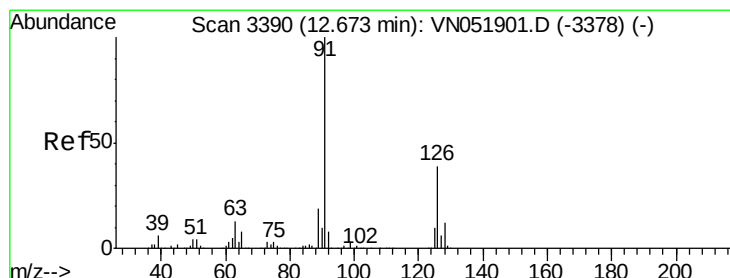
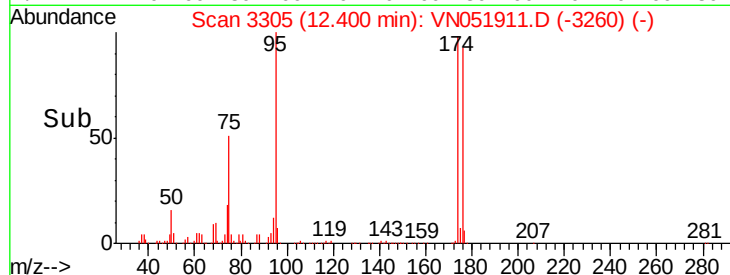
100000

50000

0

12.35 12.40 12.45

Time-->



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051911.D

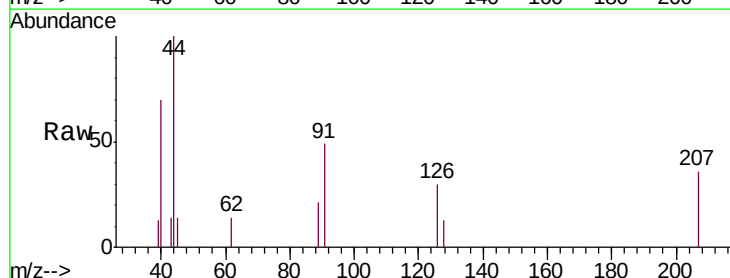
Acq: 18 Oct 2018 12:49

Tgt Ion: 91 Resp: 742

Ion Ratio Lower Upper

91 100

126 55.3 19.6 58.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

600

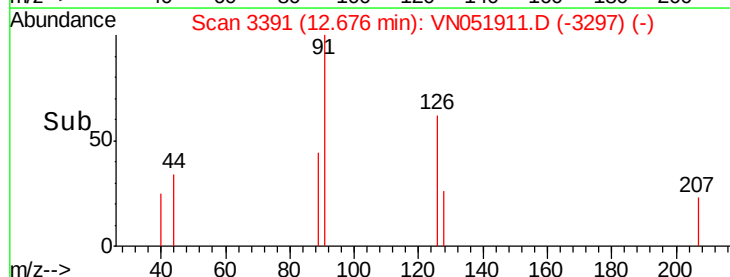
400

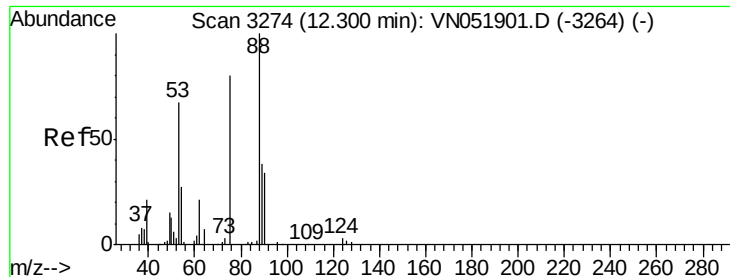
200

0

12.64 12.66 12.68 12.70

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 177.016 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051911.D

Acq: 18 Oct 2018 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN1018WBL02

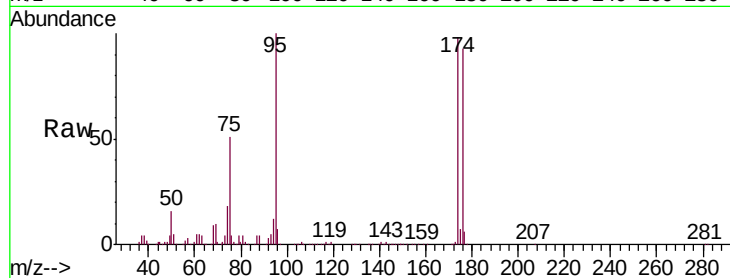
Tgt Ion: 75 Resp: 266293

Ion Ratio Lower Upper

75 100

53 0.0 68.5 102.7#

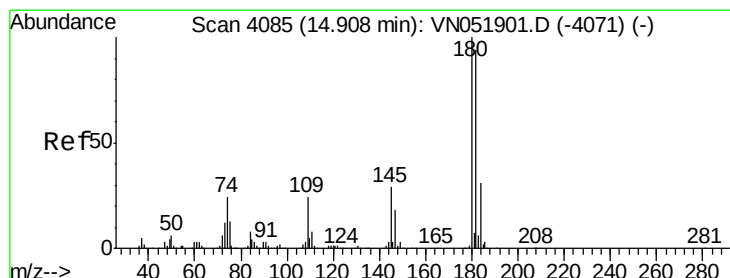
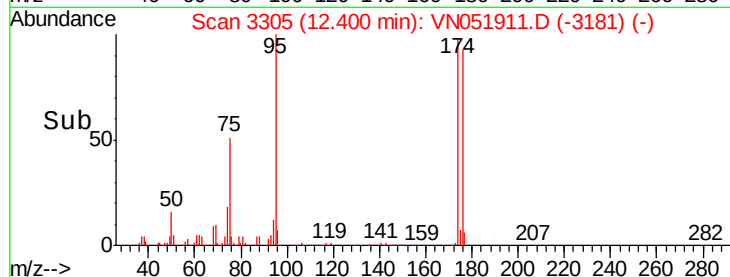
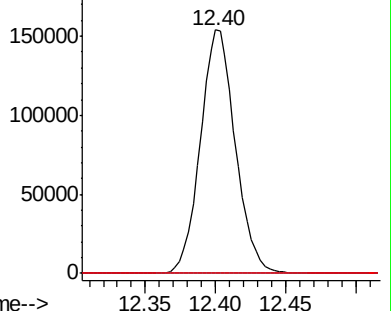
89 0.0 39.0 58.6#



Abundance Ion 74.90 (74.60 to 75.60): VN051911.D (-3305) (-)

Ion 53.00 (52.70 to 53.70): VN051911.D (-3305) (-)

Ion 88.90 (88.60 to 89.60): VN051911.D (-3305) (-)



#93

1,2,4-Trichlorobenzene

Concen: 4.258 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN051911.D

Acq: 18 Oct 2018 12:49

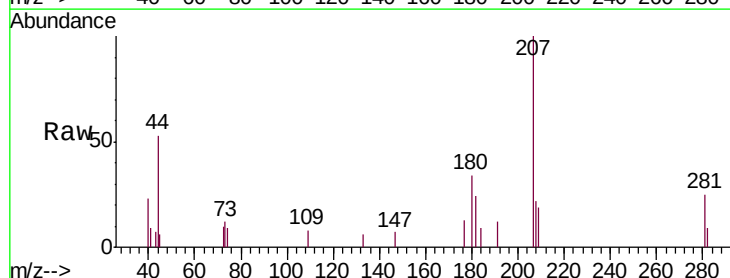
Tgt Ion: 180 Resp: 1414

Ion Ratio Lower Upper

180 100

182 65.3 47.3 141.9

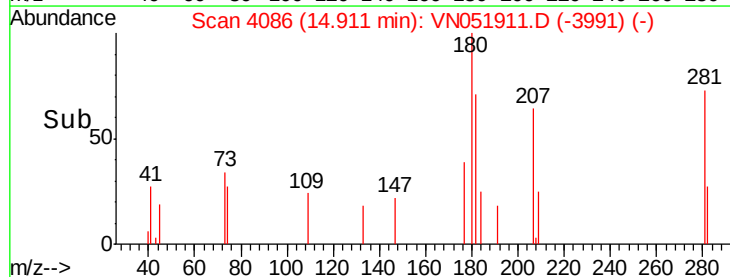
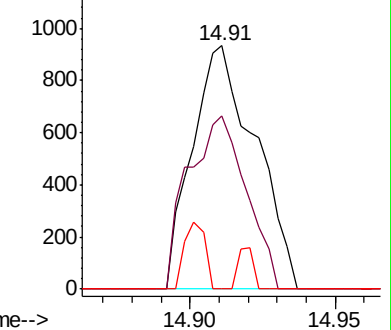
145 9.0 14.5 43.5#

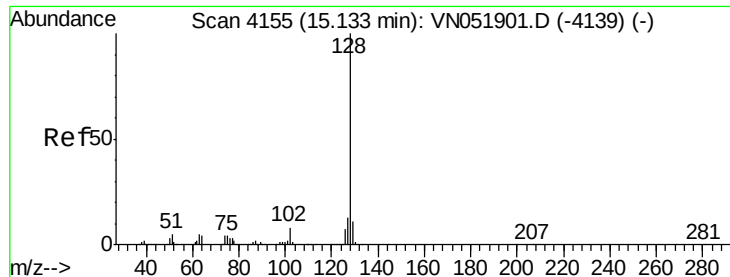


Abundance Ion 179.80 (179.50 to 180.50): VN051911.D (-4086) (-)

Ion 181.80 (181.50 to 182.50): VN051911.D (-4086) (-)

Ion 144.80 (144.50 to 145.50): VN051911.D (-4086) (-)

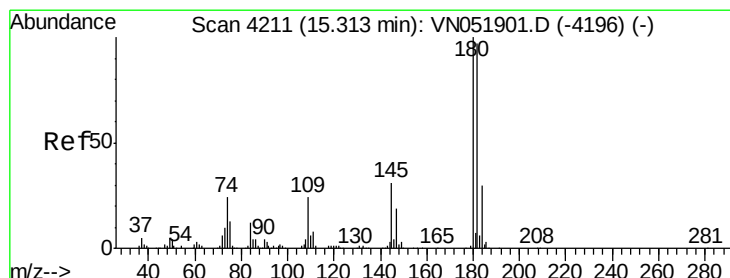
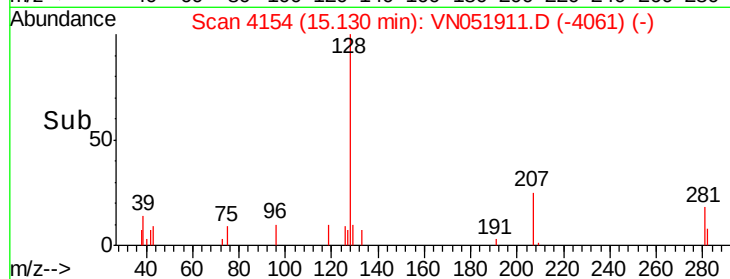
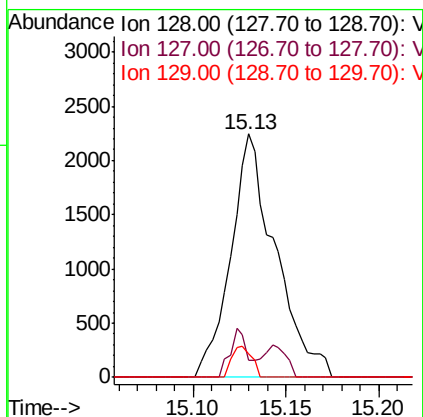
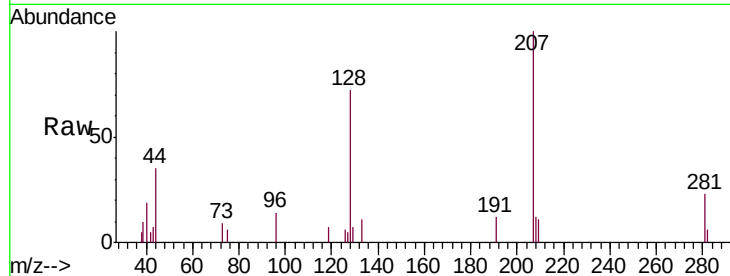




#95
Naphthalene
Concen: 4.321 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN051911.D
Acq: 18 Oct 2018 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN1018WBL02

Tgt Ion:128 Resp: 3763
Ion Ratio Lower Upper
128 100
127 7.9 10.2 15.2#
129 5.7 8.5 12.7#



#96
1,2,3-Trichlorobenzene
Concen: 3.069 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051911.D
Acq: 18 Oct 2018 12:49

Tgt Ion:180 Resp: 1045
Ion Ratio Lower Upper
180 100
182 120.3 47.9 143.8
145 47.7 15.2 45.6#

