

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
 Data File : VN051090.D
 Acq On : 10 Sep 2018 21:05
 Operator : MD\SY
 Sample : VN0910WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBL02

Quant Time: Sep 11 04:33:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	662883	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1003202	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	886817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	301172	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	391125	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
35) Dibromofluoromethane	7.59	113	389260	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
50) Toluene-d8	10.09	98	1414176	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
62) 4-Bromofluorobenzene	12.40	95	390786	41.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.60%	

Target Compounds

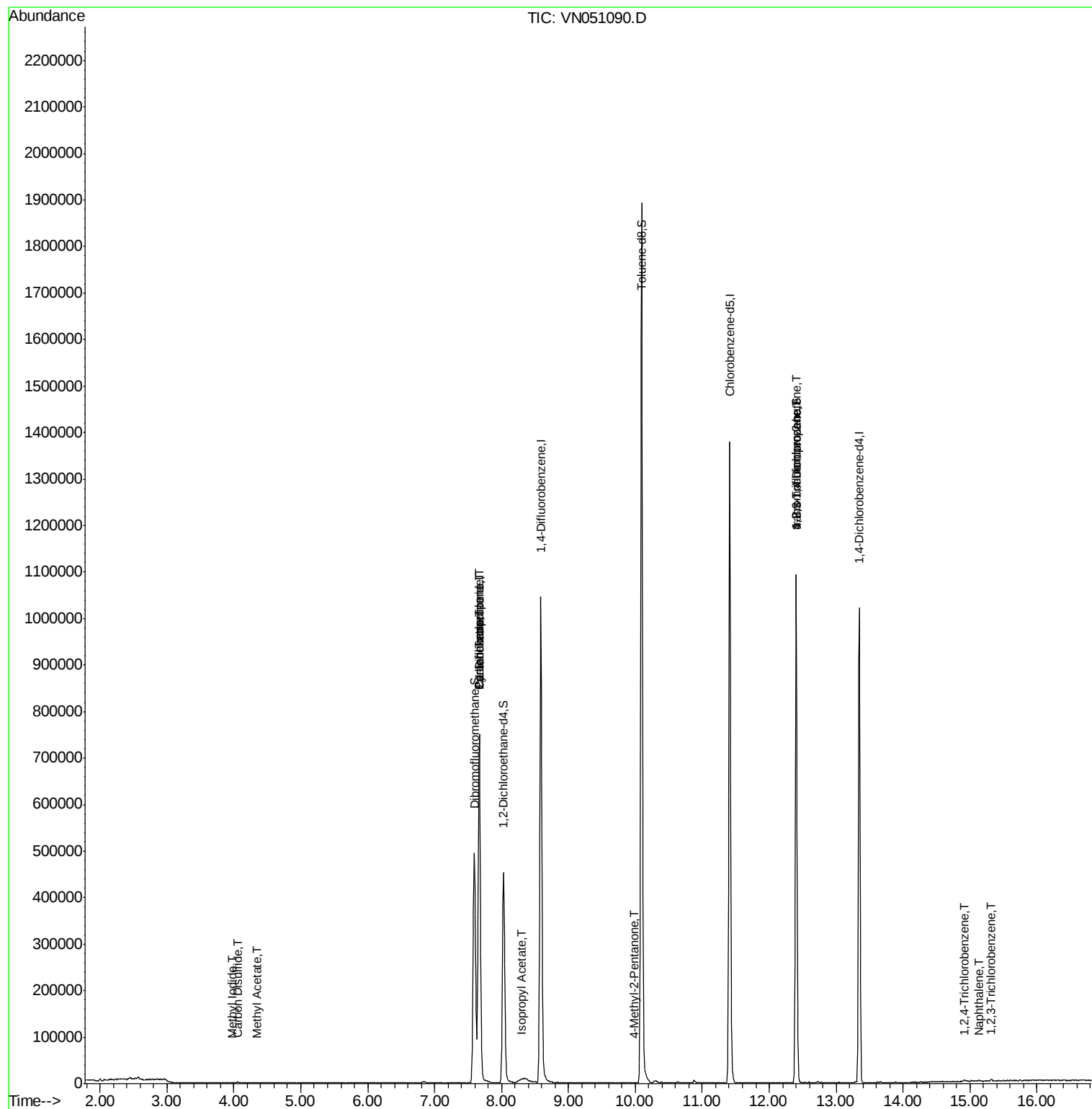
						Qvalue
3) Chloromethane	2.06	50	2480	Below Cal		95
5) Bromomethane	2.57	94	2439	Below Cal		95
10) Methyl Iodide	3.97	142	1033	5.76 ug/l	#	44
16) Acetone	3.84	43	1084	Below Cal	#	40
17) Carbon Disulfide	4.06	76	4758	0.34 ug/l	#	76
18) Methyl Acetate	4.35	43	1938	0.33 ug/l	#	59
31) Cyclohexane	7.66	56	10192	0.62 ug/l	#	1
36) 1,1-Dichloropropene	7.67	75	42409	3.85 ug/l	#	49
38) Carbon Tetrachloride	7.67	117	57439	5.30 ug/l	#	16
43) Isopropyl Acetate	8.28	43	7503	0.67 ug/l	#	50
51) 4-Methyl-2-Pentanone	9.99	43	1282	0.21 ug/l	#	34
75) 1,1,2,2-Tetrachloroethane	12.51	83	61	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	178808	37.94 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.40	75	178808	112.76 ug/l	#	15
93) 1,2,4-Trichlorobenzene	14.91	180	1110	4.17 ug/l		93
94) Hexachlorobutadiene	15.01	225	581	Below Cal		96
95) Naphthalene	15.13	128	3075	5.58 ug/l	#	76
96) 1,2,3-Trichlorobenzene	15.32	180	1283	3.18 ug/l		87

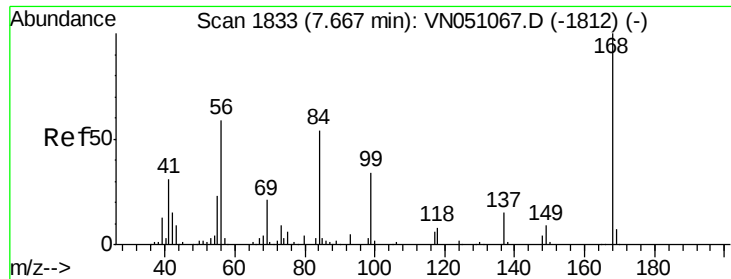
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091018\
Data File : VN051090.D
Acq On : 10 Sep 2018 21:05
Operator : MD\SY
Sample : VN0910WBL02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBL02

Quant Time: Sep 11 04:33:24 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration



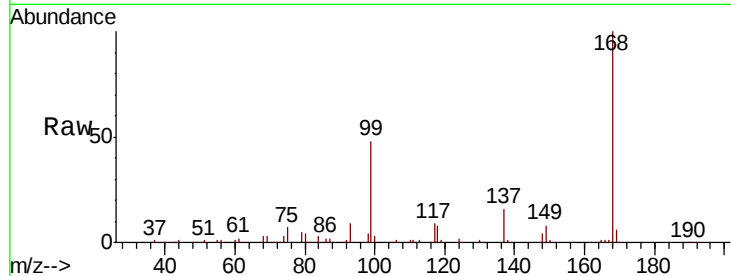


#1

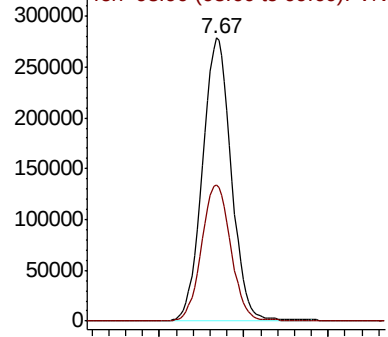
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VN051090.D
 Acq: 10 Sep 2018 21:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBL02

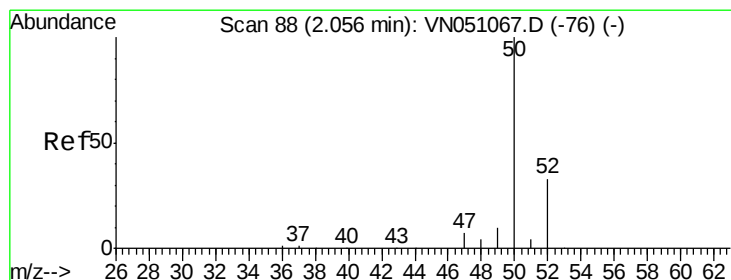
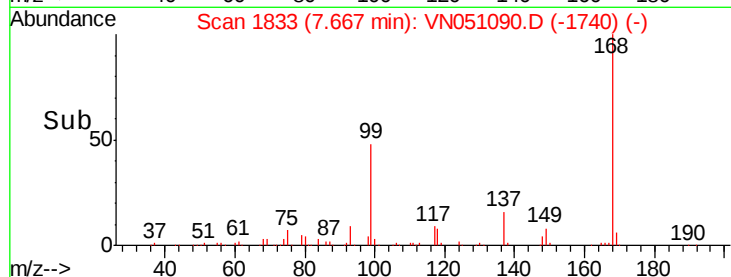
Tot Ion:168 Resp: 662883
 Ion Ratio Lower Upper
 168 100
 99 48.3 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): VN051067.D (-1812) (-)
 Ion 98.90 (98.60 to 99.60): VN051067.D (-1812) (-)



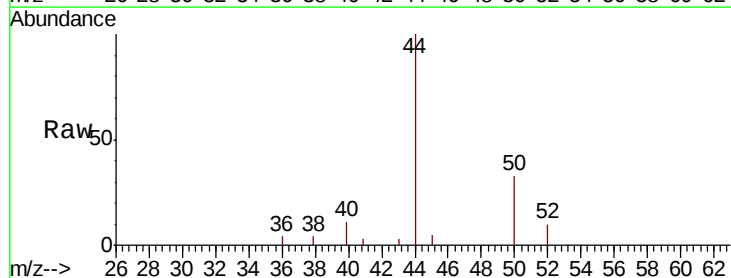
Time-->



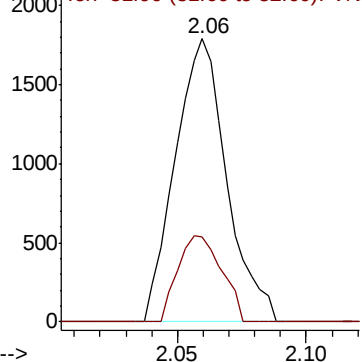
#3

Chloromethane
 Concen: Below Cal
 RT: 2.06 min Scan# 89
 Delta R.T. 0.00 min
 Lab File: VN051090.D
 Acq: 10 Sep 2018 21:05

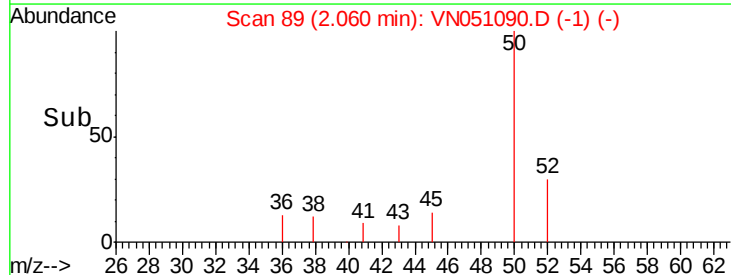
Tgt Ion: 50 Resp: 2480
 Ion Ratio Lower Upper
 50 100
 52 29.8 26.0 39.0

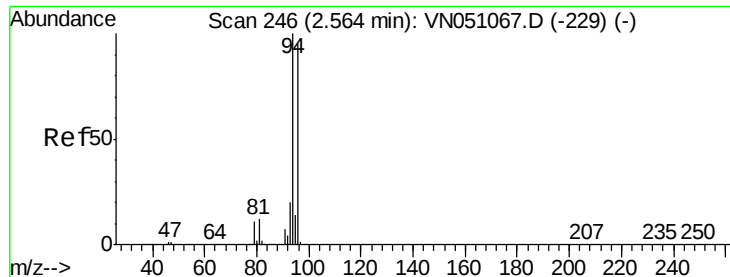


Abundance Ion 49.90 (49.60 to 50.60): VN051067.D (-76) (-)
 Ion 51.90 (51.60 to 52.60): VN051067.D (-76) (-)



Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051090.D

Acq: 10 Sep 2018 21:05

Instrument :

MSVOA_N

ClientSampleId :

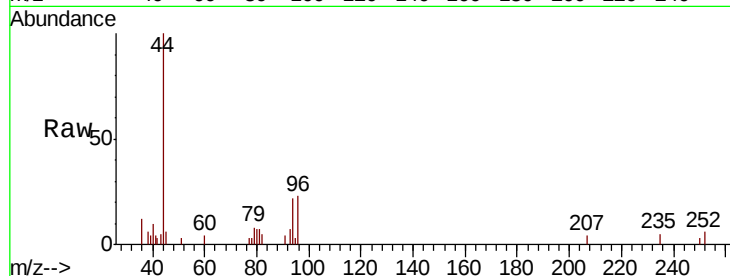
VN0910WBL02

Tot Ion: 94 Resp: 2439

Ion Ratio Lower Upper

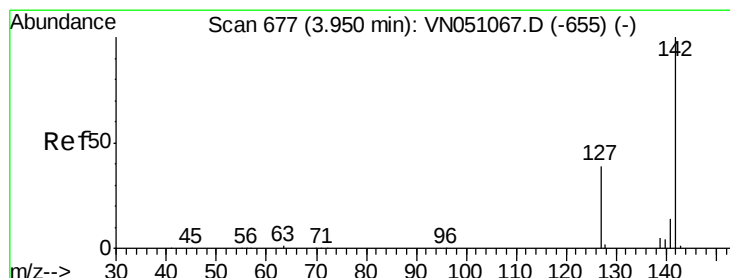
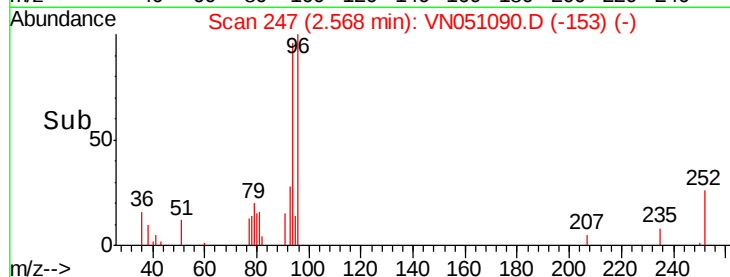
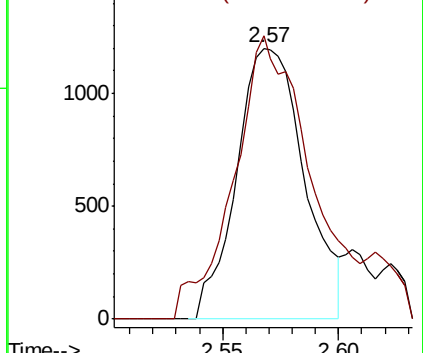
94 100

96 90.4 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN051067.D (-229) (-)

Ion 95.90 (95.60 to 96.60): VN051067.D (-229) (-)



#10

Methyl Iodide

Concen: 5.76 ug/l

RT: 3.97 min Scan# 683

Delta R.T. 0.02 min

Lab File: VN051090.D

Acq: 10 Sep 2018 21:05

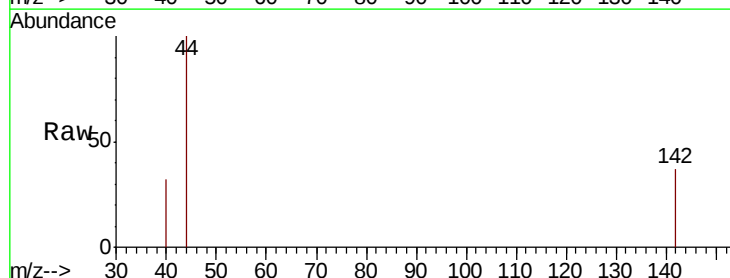
Tgt Ion: 142 Resp: 1033

Ion Ratio Lower Upper

142 100

127 0.0 31.0 46.4#

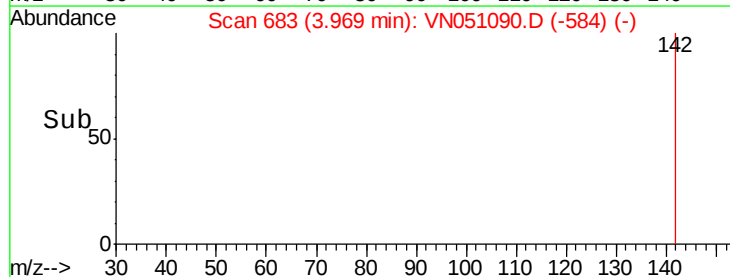
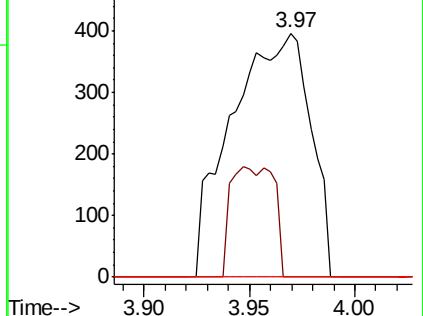
141 0.0 11.3 16.9#

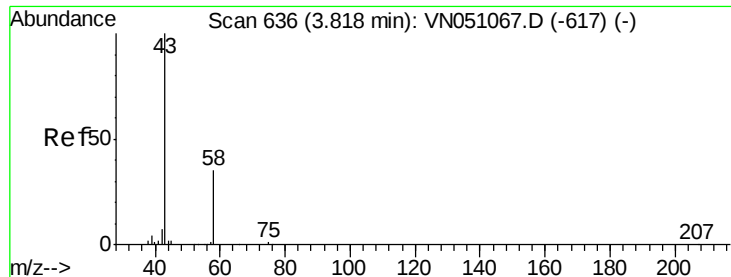


Abundance Ion 141.80 (141.50 to 142.50): VN051067.D (-655) (-)

Ion 126.80 (126.50 to 127.50): VN051067.D (-655) (-)

Ion 140.80 (140.50 to 141.50): VN051067.D (-655) (-)

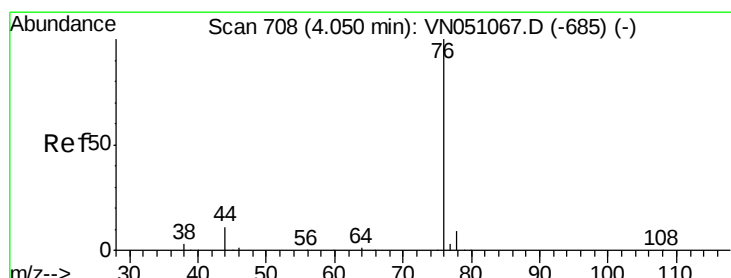
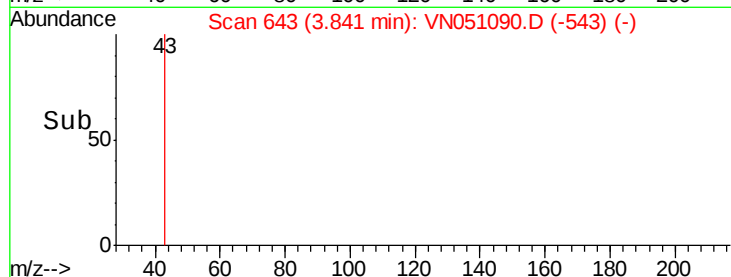
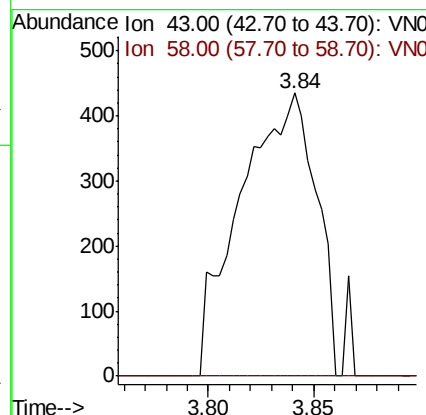
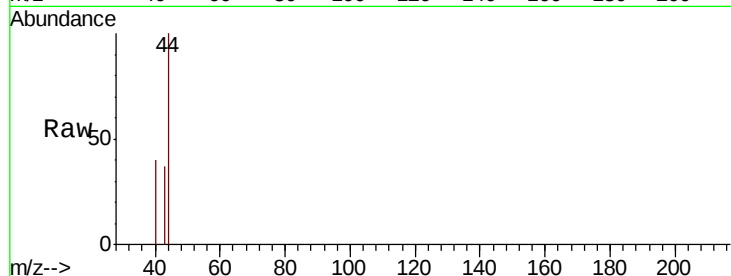




#16
Acetone
Concen: Below Cal
RT: 3.84 min Scan# 643
Delta R.T. 0.02 min
Lab File: VN051090.D
Acq: 10 Sep 2018 21:05

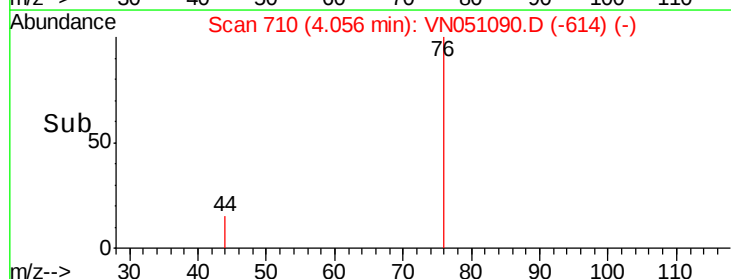
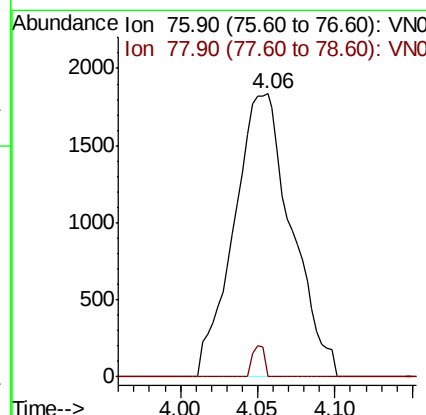
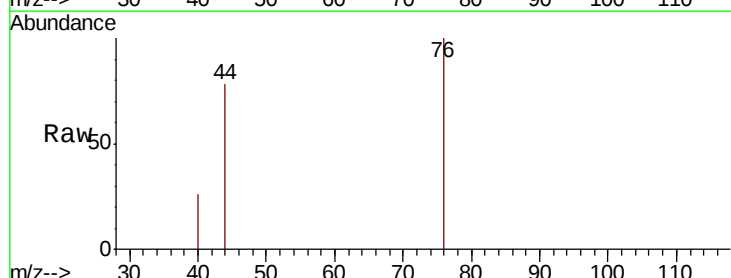
Instrument :
MSVOA_N
ClientSampleId :
VN0910WBL02

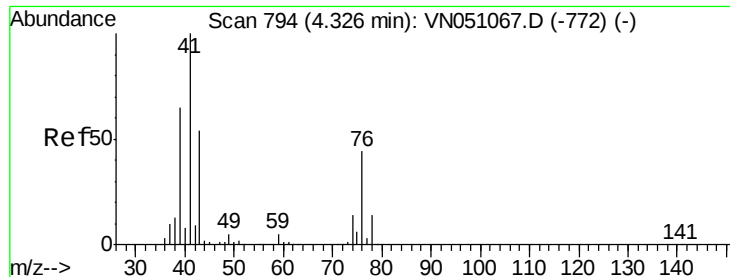
Tot Ion: 43 Resp: 1084
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.6#



#17
Carbon Disulfide
Concen: 0.34 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.01 min
Lab File: VN051090.D
Acq: 10 Sep 2018 21:05

Tgt Ion: 76 Resp: 4758
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#

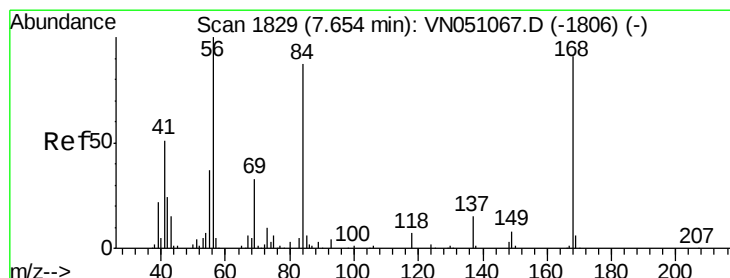
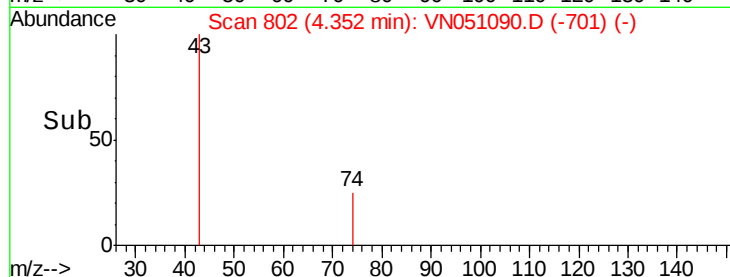
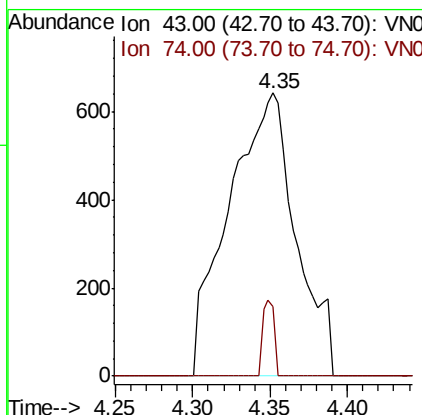
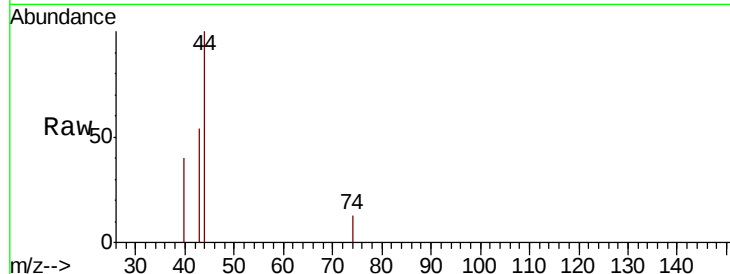




#18
Methvl Acetate
Concen: 0.33 ug/l
RT: 4.35 min Scan# 802
Delta R.T. 0.03 min
Lab File: VN051090.D
Acq: 10 Sep 2018 21:05

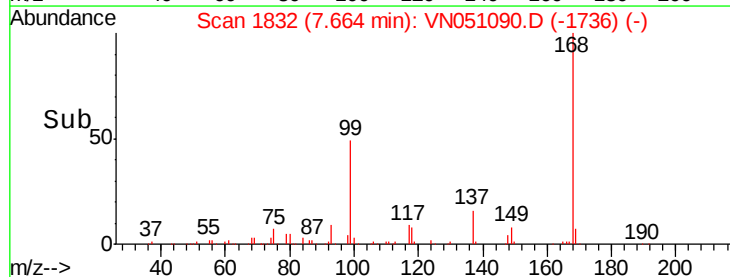
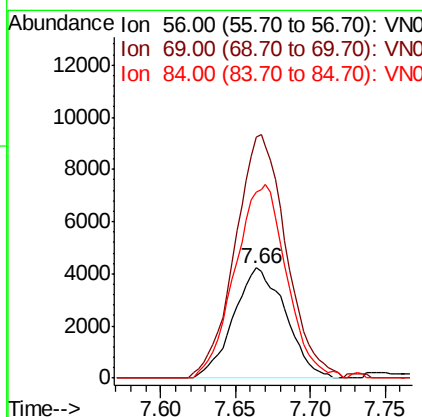
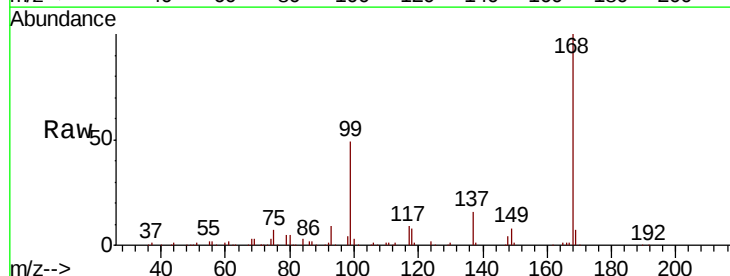
Instrument :
MSVOA_N
ClientSampleId :
VN0910WBL02

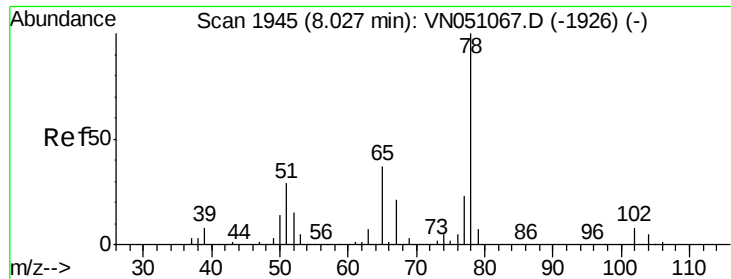
Tot Ion: 43 Resp: 1938
Ion Ratio Lower Upper
43 100
74 4.8 20.7 31.1#



#31
Cyclohexane
Concen: 0.62 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN051090.D
Acq: 10 Sep 2018 21:05

Tgt Ion: 56 Resp: 10192
Ion Ratio Lower Upper
56 100
69 218.3 26.3 39.5#
84 168.7 69.4 104.0#

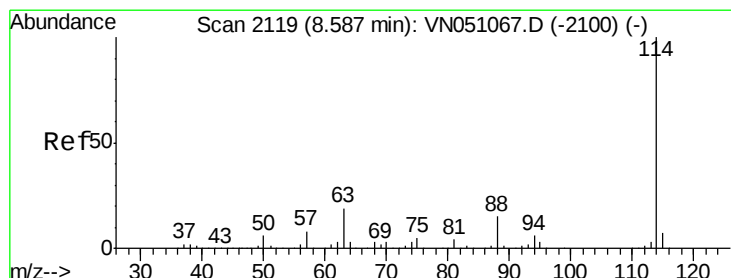
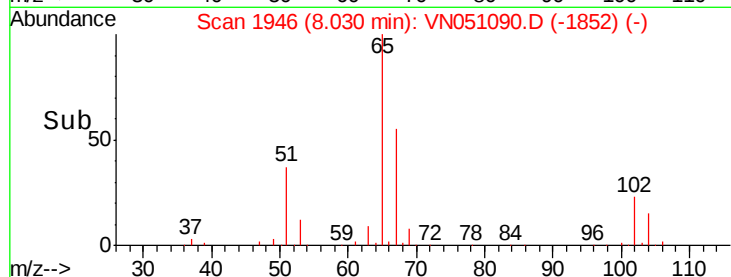
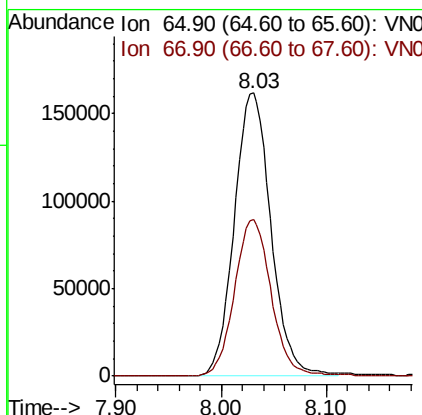
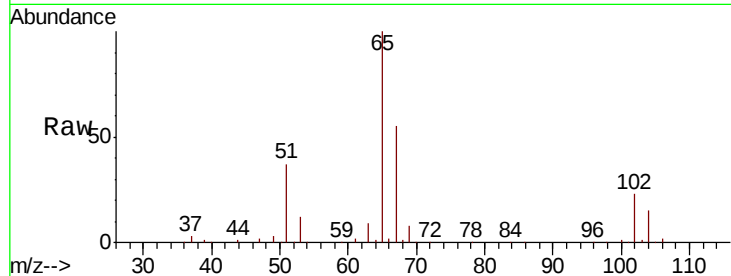




#33
 1,2-Dichloroethane-d4
 Concen: 53.02 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051090.D
 Acq: 10 Sep 2018 21:05

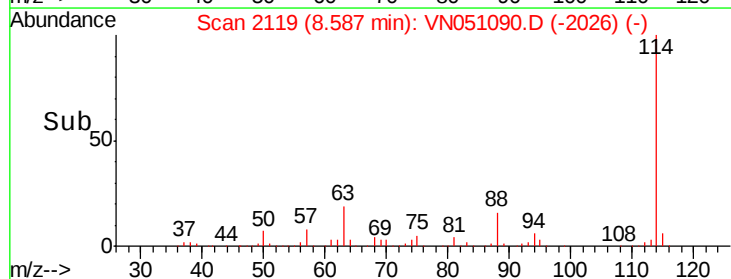
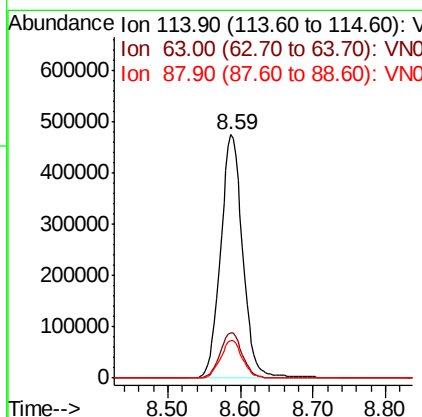
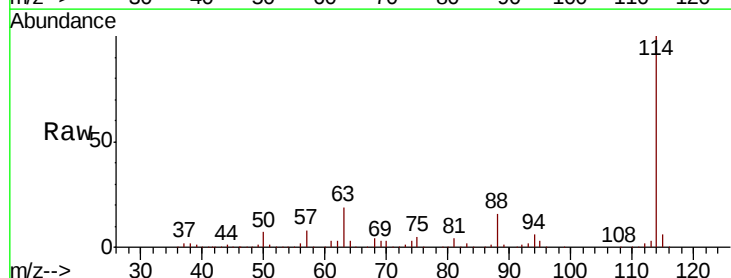
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBL02

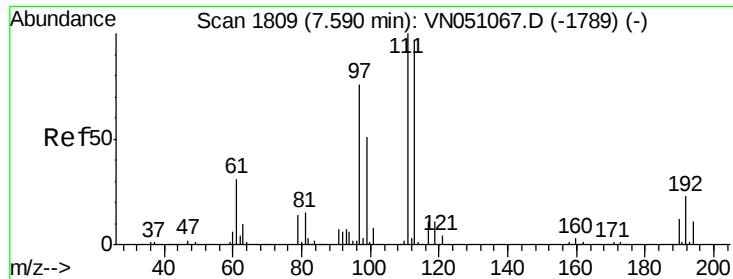
Tot Ion: 65 Resp: 391125
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051090.D
 Acq: 10 Sep 2018 21:05

Tgt Ion: 114 Resp: 1003202
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 37.8
 88 15.6 0.0 30.8

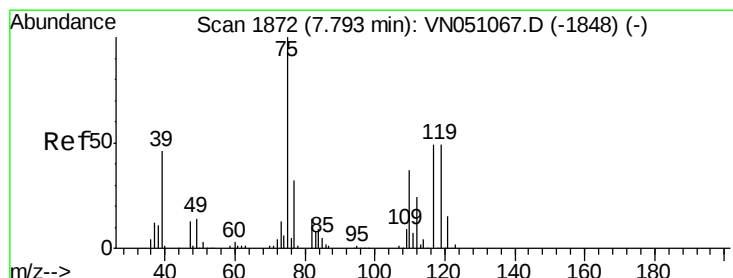
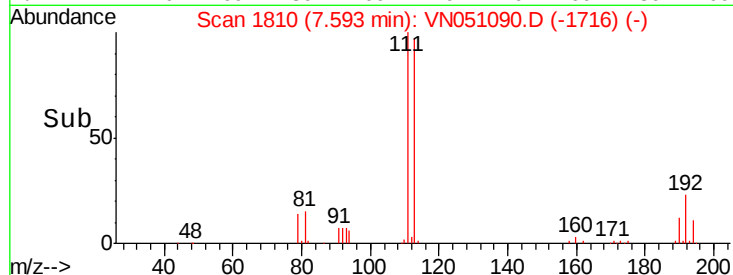
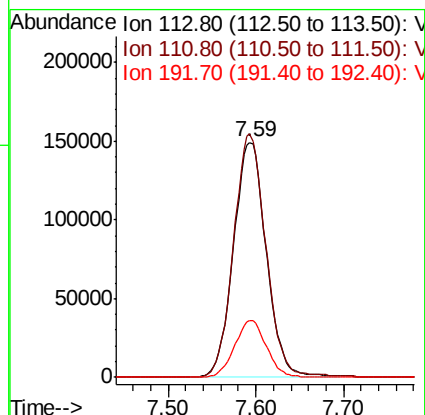
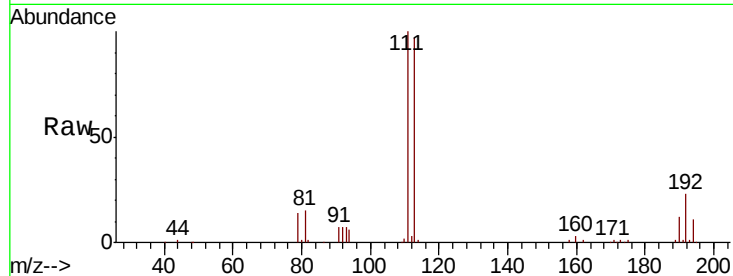




#35
 Dibromofluoromethane
 Concen: 51.64 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051090.D
 Acq: 10 Sep 2018 21:05

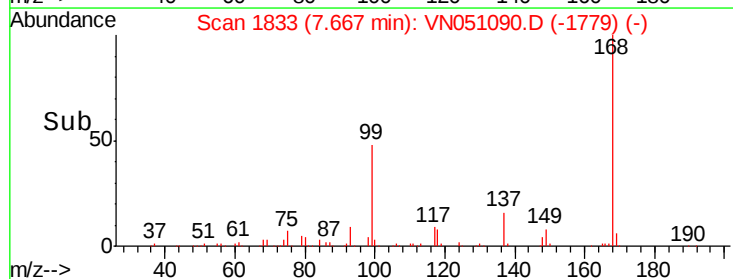
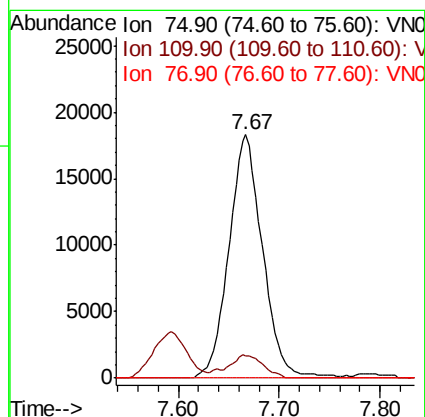
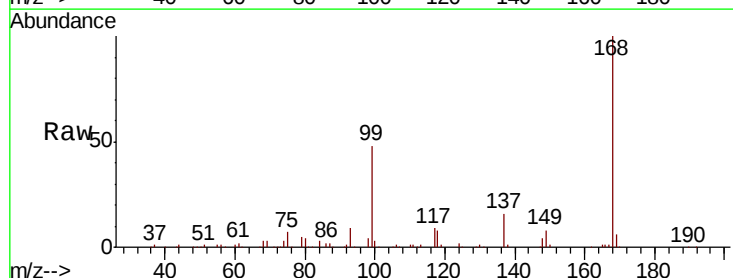
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBL02

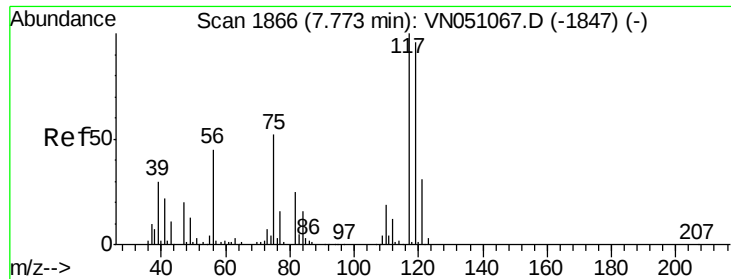
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.0	124.6
192	23.4	18.7	28.1



#36
 1,1-Dichloropropene
 Concen: 3.85 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051090.D
 Acq: 10 Sep 2018 21:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.6	55.8#
77	0.0	25.2	37.8#





#38

Carbon Tetrachloride

Concen: 5.30 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051090.D

Acq: 10 Sep 2018 21:05

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBL02

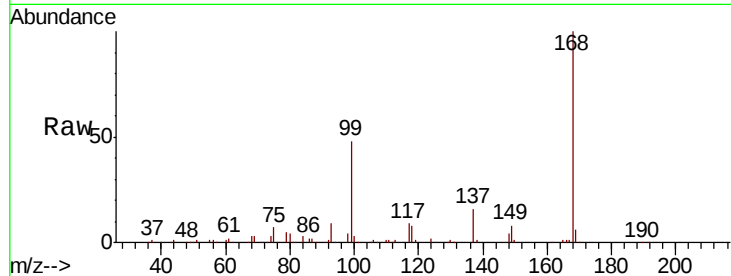
Tot Ion:117 Resp: 57439

Ion Ratio Lower Upper

117 100

119 5.8 76.8 115.2#

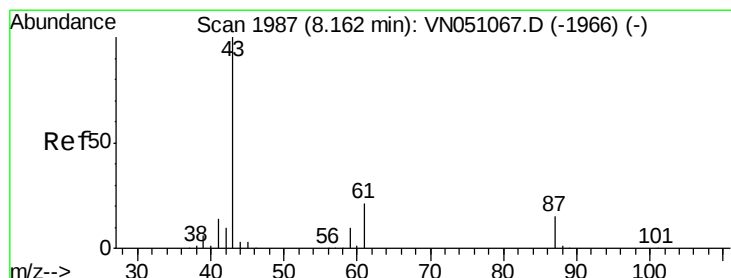
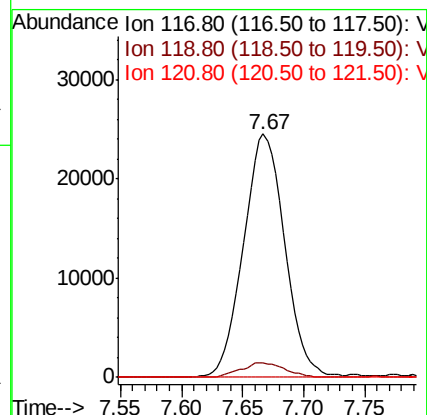
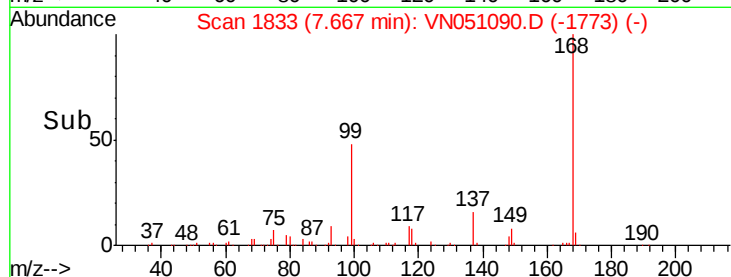
121 0.0 24.6 36.8#



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: 0.67 ug/l

RT: 8.28 min Scan# 2025

Delta R.T. 0.12 min

Lab File: VN051090.D

Acq: 10 Sep 2018 21:05

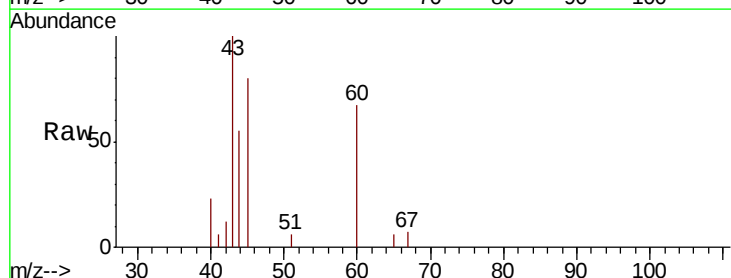
Tgt Ion: 43 Resp: 7503

Ion Ratio Lower Upper

43 100

61 0.0 25.0 37.6#

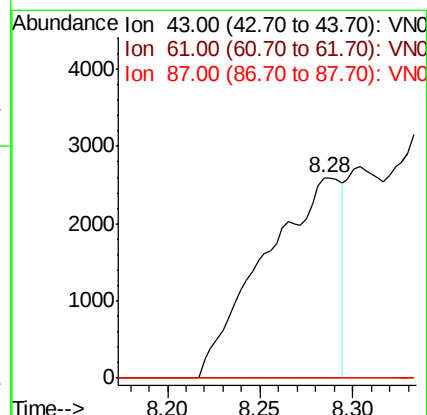
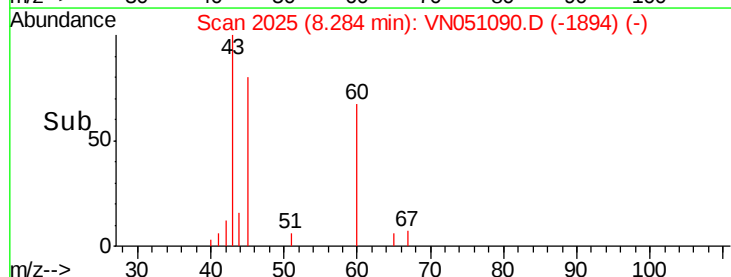
87 0.0 11.8 17.8#

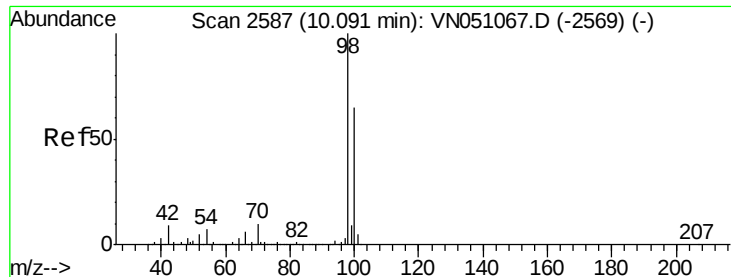


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 49.44 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051090.D

Acq: 10 Sep 2018 21:05

Instrument :

MSVOA_N

ClientSampled :

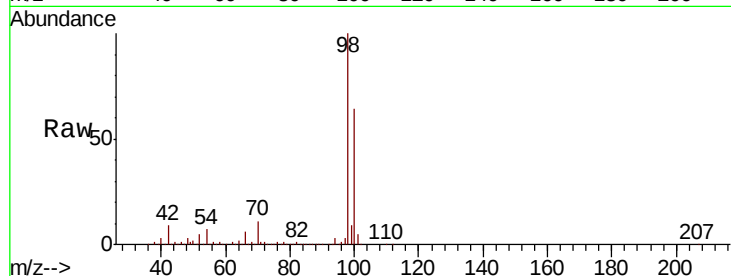
VN0910WBL02

Tot Ion: 98 Resp: 1414176

Ion Ratio Lower Upper

98 100

100 64.0 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN051067.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN051067.D (-2569) (-)

10.09

800000

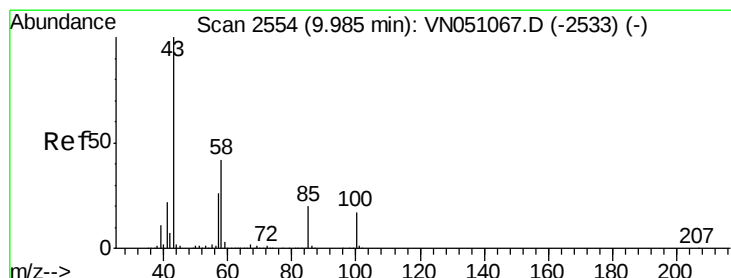
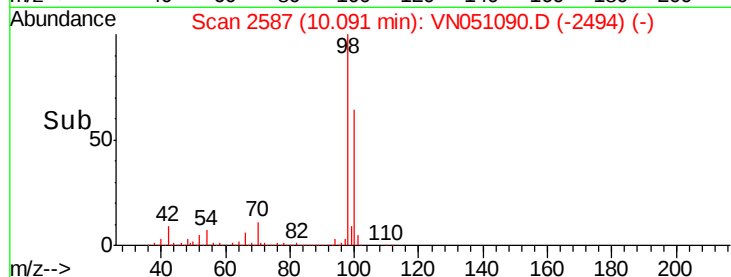
600000

400000

200000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.21 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051090.D

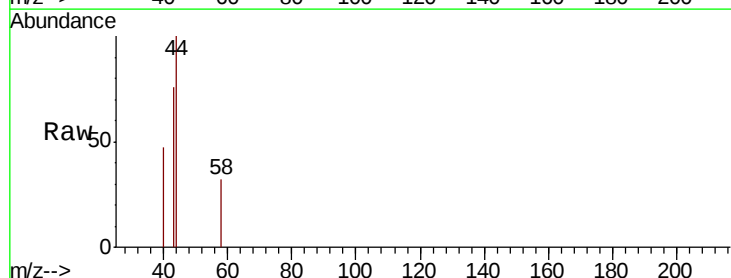
Acq: 10 Sep 2018 21:05

Tgt Ion: 43 Resp: 1282

Ion Ratio Lower Upper

43 100

58 0.0 33.5 50.3#



Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN051067.D (-2533) (-)

9.99

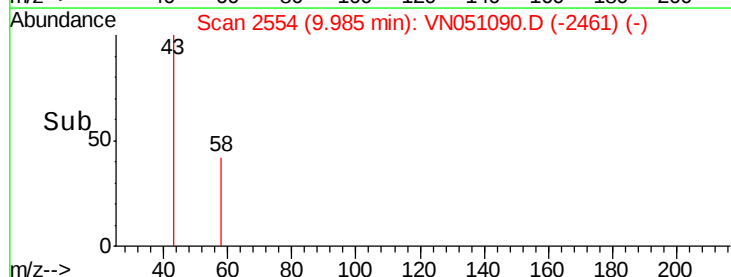
600

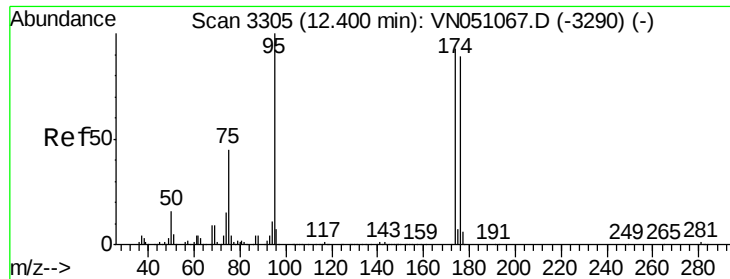
400

200

0

Time-->





#62

4-Bromofluorobenzene

Concen: 41.30 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051090.D

Acq: 10 Sep 2018 21:05

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBL02

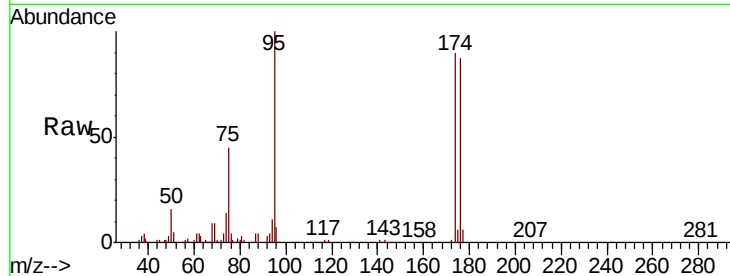
Tot Ion: 95 Resp: 390786

Ion Ratio Lower Upper

95 100

174 91.8 0.0 184.8

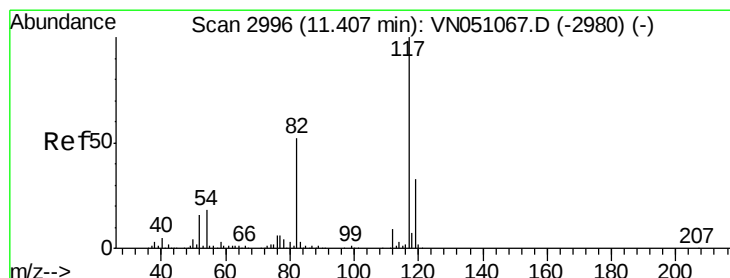
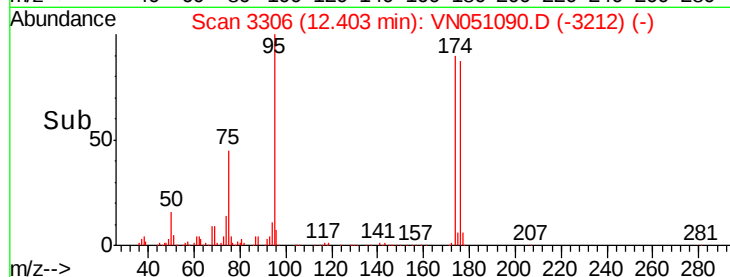
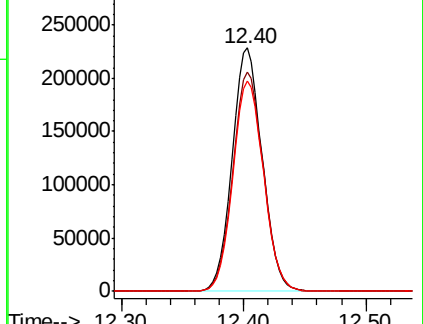
176 88.1 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VN051067.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN051067.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN051067.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051090.D

Acq: 10 Sep 2018 21:05

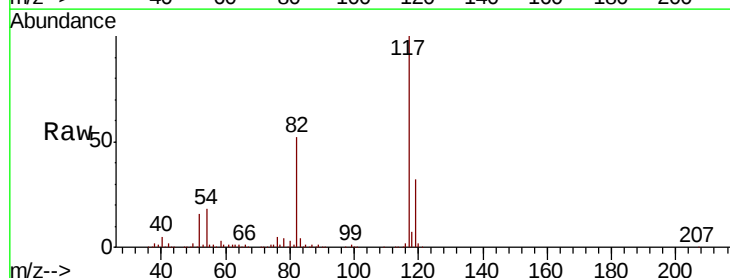
Tgt Ion: 117 Resp: 886817

Ion Ratio Lower Upper

117 100

82 52.3 41.8 62.6

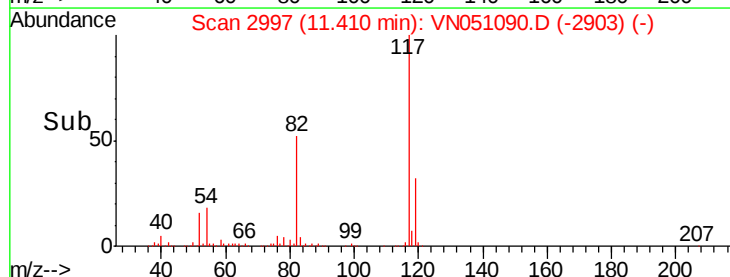
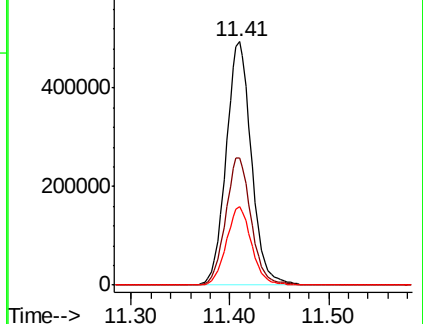
119 32.0 26.2 39.2

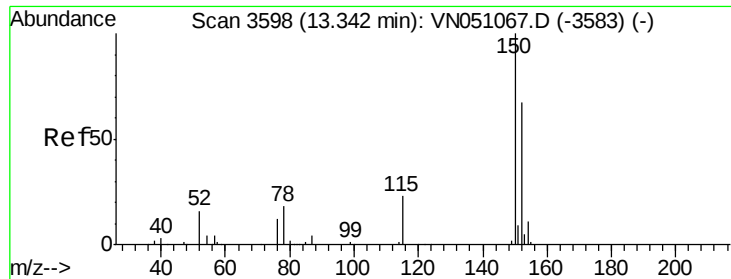


Abundance Ion 116.90 (116.60 to 117.60): VN051067.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN051067.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN051067.D (-2980) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051090.D

Acq: 10 Sep 2018 21:05

Instrument :

MSVOA_N

ClientSampleId :

VN0910WBL02

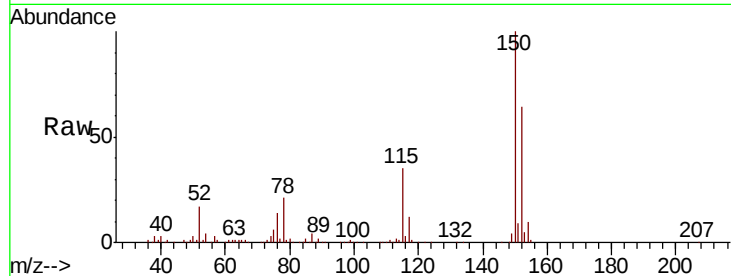
Tot Ion:152 Resp: 301172

Ion Ratio Lower Upper

152 100

115 55.5 28.2 84.7

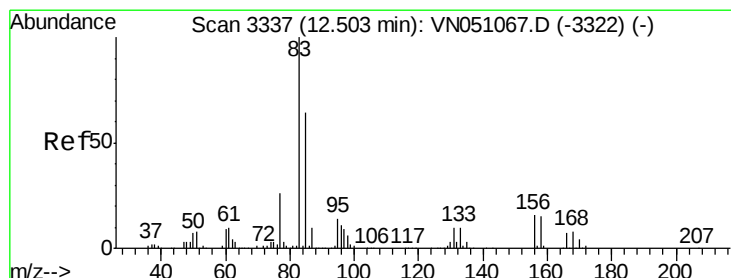
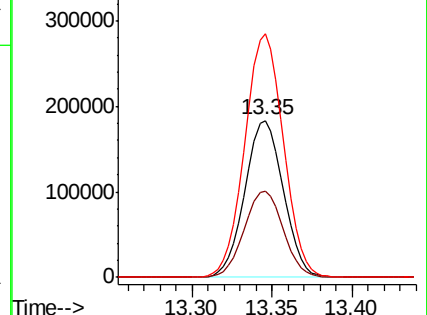
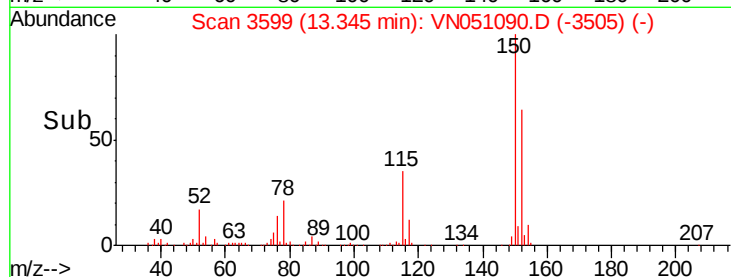
150 155.8 0.0 349.0



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3339

Delta R.T. 0.01 min

Lab File: VN051090.D

Acq: 10 Sep 2018 21:05

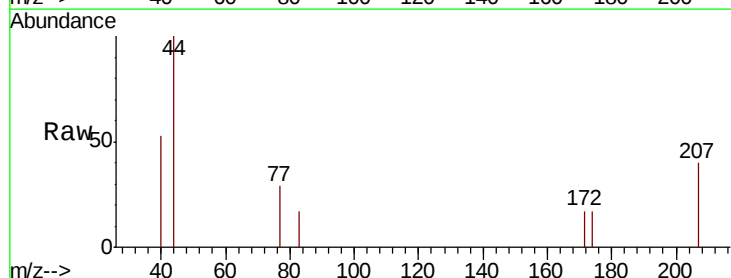
Tgt Ion: 83 Resp: 61

Ion Ratio Lower Upper

83 100

131 0.0 5.3 16.1#

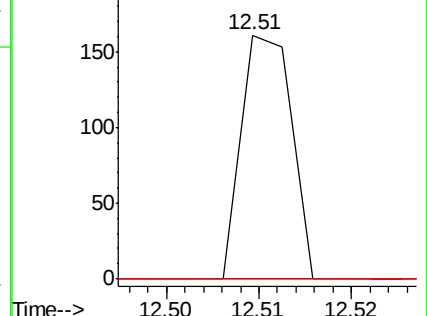
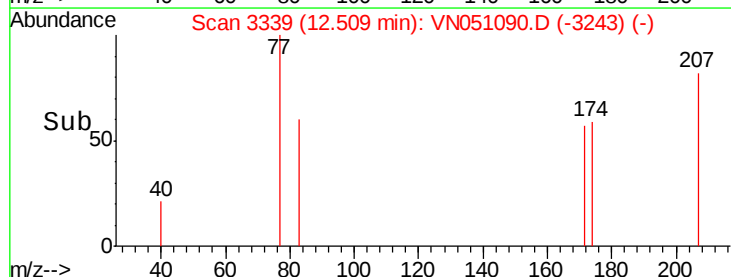
85 0.0 32.3 96.8#

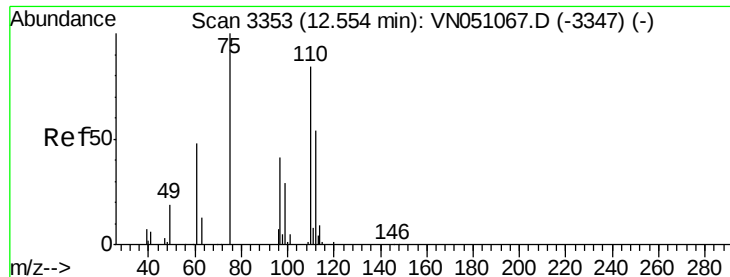


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 37.94 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051090.D

Acq: 10 Sep 2018 21:05

Instrument :

MSVOA_N

ClientSampleId :

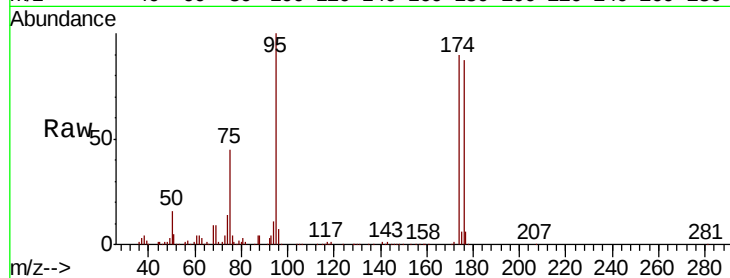
VN0910WBL02

Tot Ion: 75 Resp: 178808

Ion Ratio Lower Upper

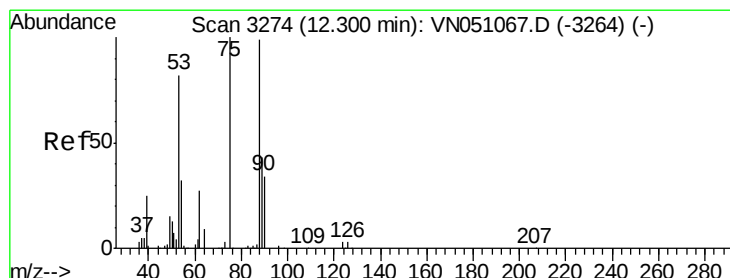
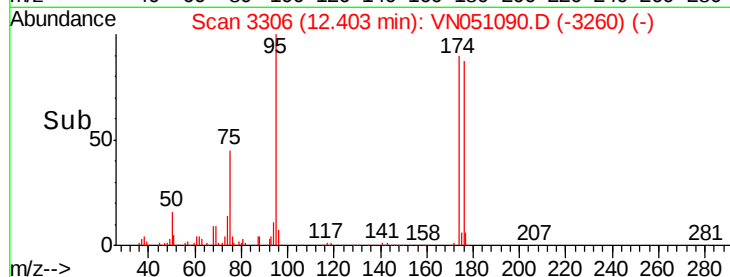
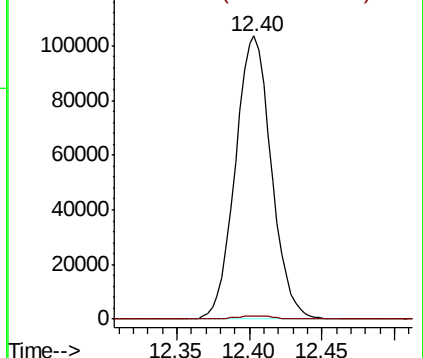
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 112.76 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051090.D

Acq: 10 Sep 2018 21:05

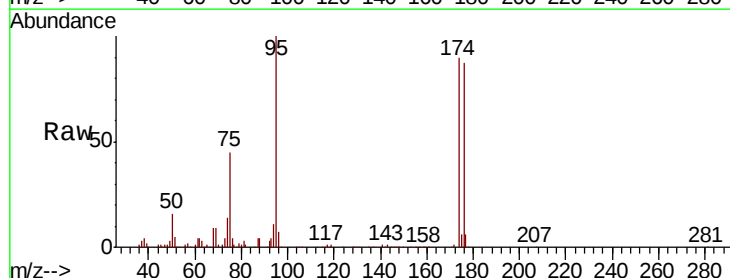
Tgt Ion: 75 Resp: 178808

Ion Ratio Lower Upper

75 100

53 0.1 67.8 101.8#

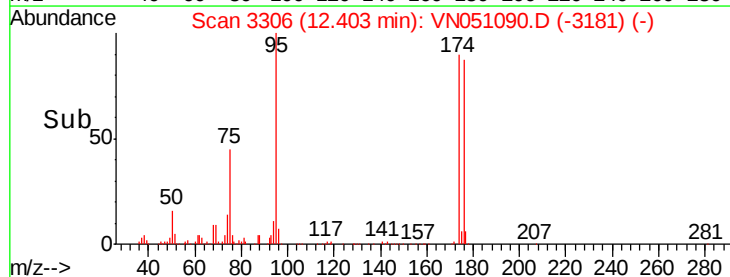
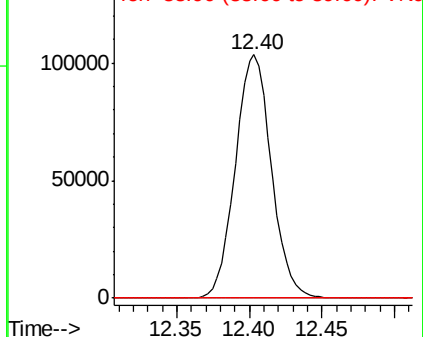
89 0.0 36.0 54.0#

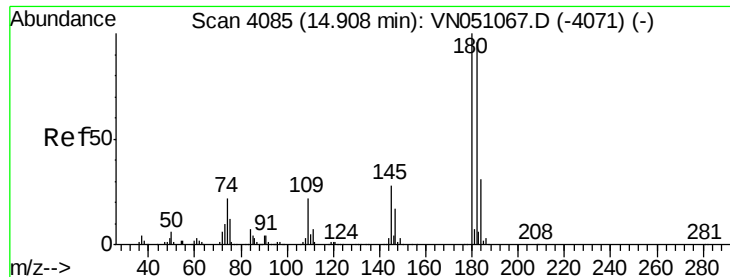


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

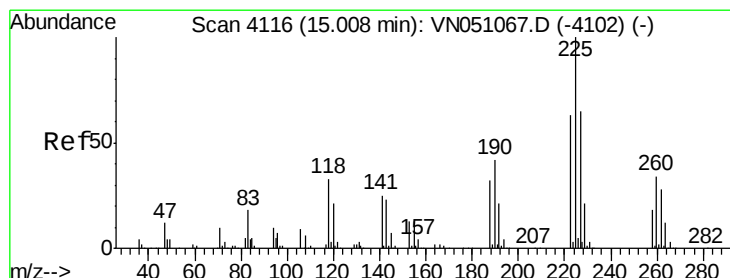
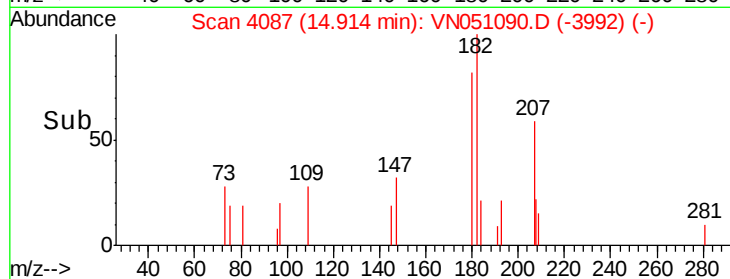
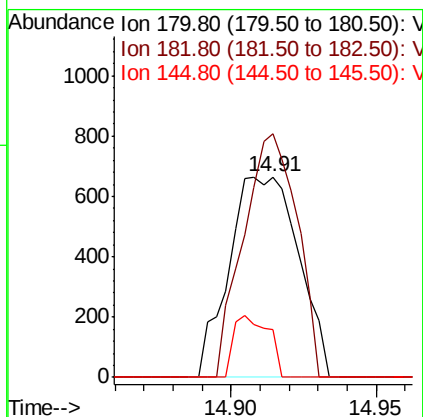
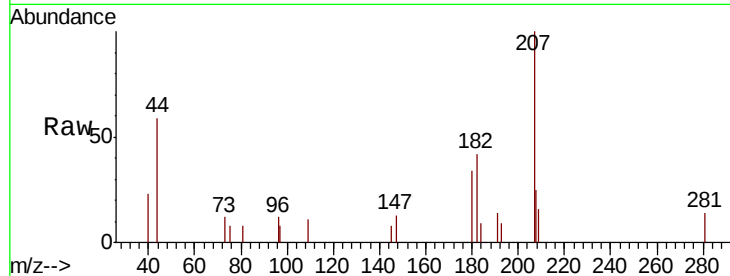




#93
 1,2,4-Trichlorobenzene
 Concen: 4.17 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN051090.D
 Acq: 10 Sep 2018 21:05

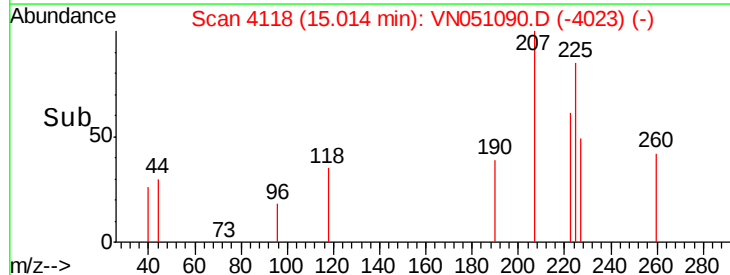
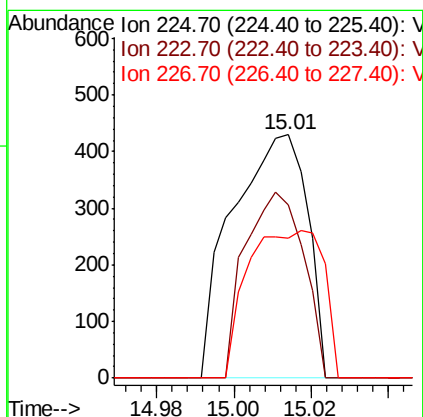
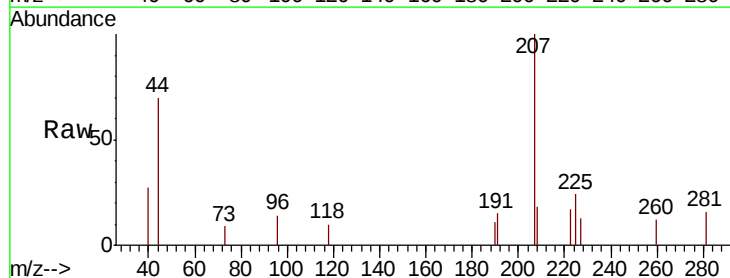
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBL02

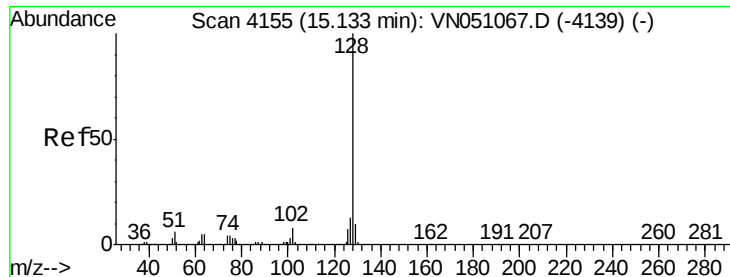
Tot Ion:180 Resp: 1110
 Ion Ratio Lower Upper
 180 100
 182 93.4 47.3 141.8
 145 15.3 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.01 min
 Lab File: VN051090.D
 Acq: 10 Sep 2018 21:05

Tgt Ion:225 Resp: 581
 Ion Ratio Lower Upper
 225 100
 223 59.4 31.4 94.0
 227 60.6 32.1 96.3

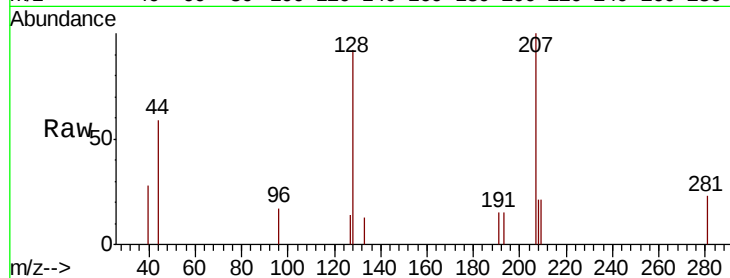




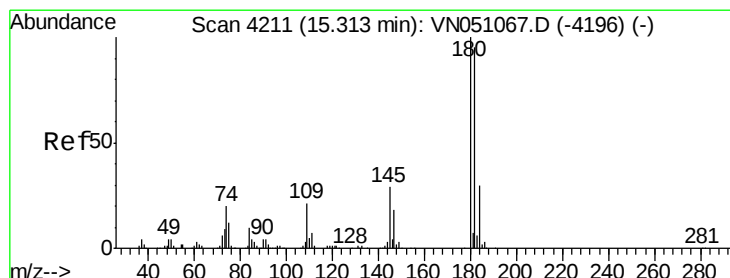
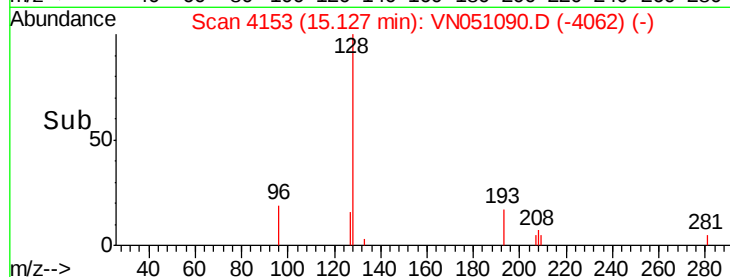
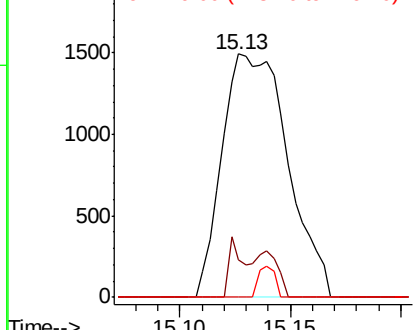
#95
Naphthalene
Concen: 5.58 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.01 min
Lab File: VN051090.D
Acq: 10 Sep 2018 21:05

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBL02

Tot Ion:128 Resp: 3075
Ion Ratio Lower Upper
128 100
127 5.0 10.6 15.8#
129 0.0 8.6 12.8#

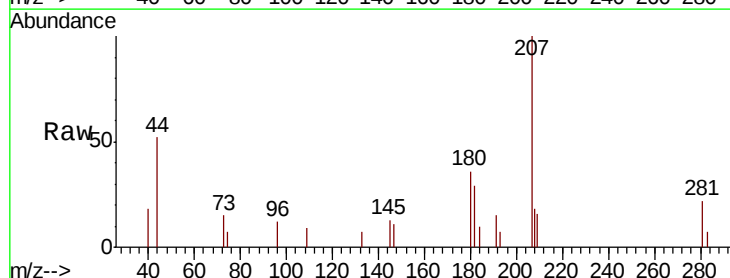


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 3.18 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051090.D
Acq: 10 Sep 2018 21:05

Tgt Ion:180 Resp: 1283
Ion Ratio Lower Upper
180 100
182 83.2 47.8 143.3
145 20.6 14.6 43.8



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

