

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091518\
 Data File : VN051216.D
 Acq On : 15 Sep 2018 12:25
 Operator : MD\SY
 Sample : VN0915WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 17 02:12:36 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	613920	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	946139	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	835381	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	283732	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	359122	52.56	ug/l	0.00
Spiked Amount			Recovery	=	105.12%	
35) Dibromofluoromethane	7.59	113	363222	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	
50) Toluene-d8	10.09	98	1324717	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
62) 4-Bromofluorobenzene	12.40	95	358989	40.23	ug/l	0.00
Spiked Amount			Recovery	=	80.46%	

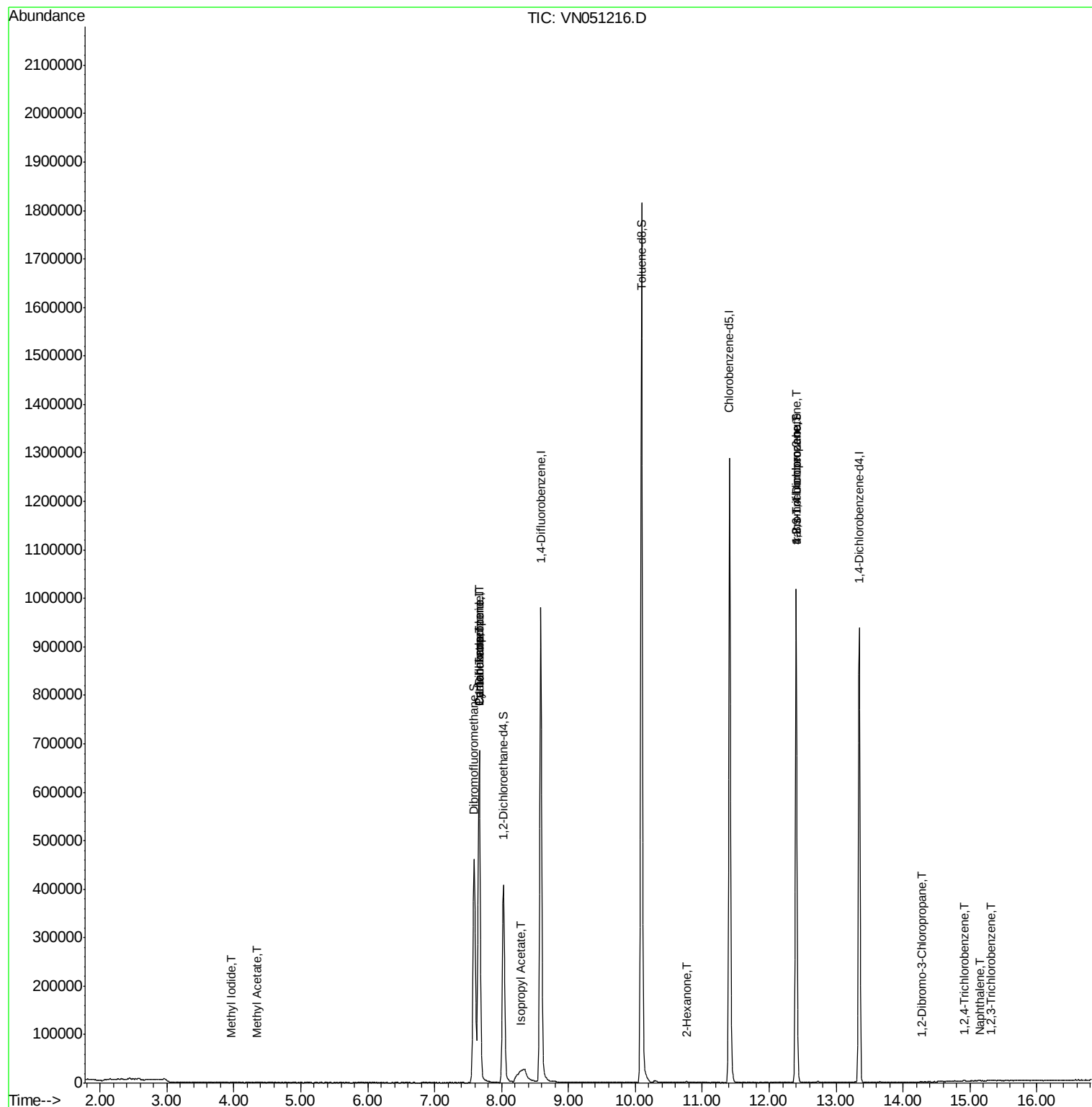
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	1398	Below Cal	#	88
5) Bromomethane	2.57	94	1876	Below Cal	#	85
10) Methyl Iodide	3.95	142	251	5.67	ug/l	# 44
16) Acetone	3.84	43	1118	Below Cal	#	40
18) Methyl Acetate	4.34	43	2261	0.41	ug/l	# 58
31) Cyclohexane	7.67	56	9438	0.62	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	39594	3.81	ug/l	# 42
38) Carbon Tetrachloride	7.67	117	53346	5.22	ug/l	# 17
43) Isopropyl Acetate	8.28	43	31299	2.95	ug/l	# 50
59) 2-Hexanone	10.77	43	1351	0.34	ug/l	# 48
75) 1,1,2,2-Tetrachloroethane	12.51	83	32	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	166735	37.53	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	166735	111.60	ug/l	# 15
92) 1,2-Dibromo-3-Chloropropan	14.28	75	32	0.70	ug/l	# 1
93) 1,2,4-Trichlorobenzene	14.90	180	795	4.13	ug/l	# 16
94) Hexachlorobutadiene	15.00	225	464	Below Cal	#	49
95) Naphthalene	15.14	128	1720	5.48	ug/l	# 69
96) 1,2,3-Trichlorobenzene	15.32	180	918	3.13	ug/l	# 61

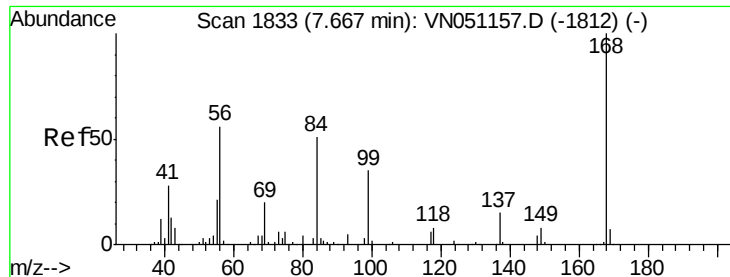
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN051216.D

Acq: 15 Sep 2018 12:25

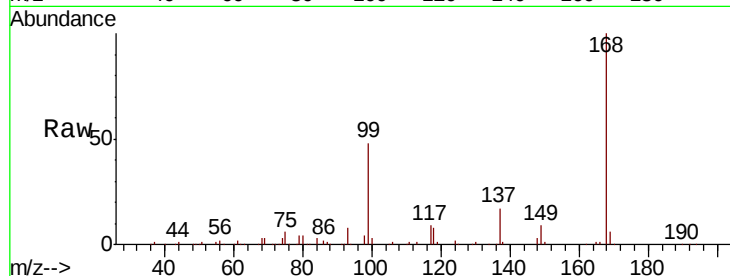
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 613920

Ion Ratio Lower Upper

168 100

99 47.9 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

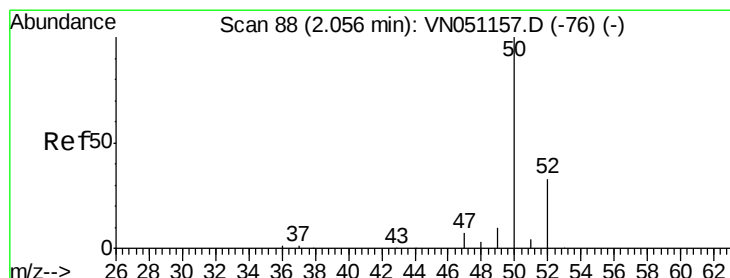
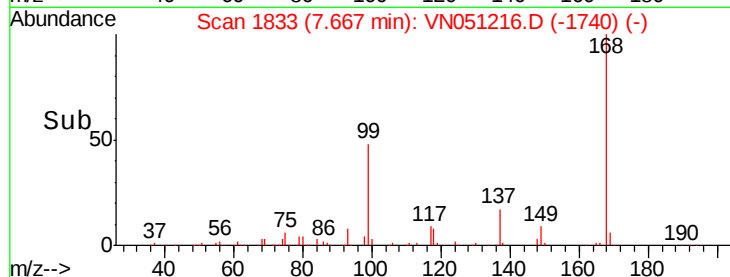
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051216.D

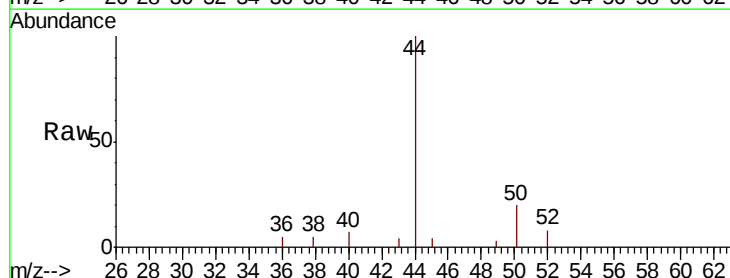
Acq: 15 Sep 2018 12:25

Tgt Ion: 50 Resp: 1398

Ion Ratio Lower Upper

50 100

52 39.1 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

1000

800

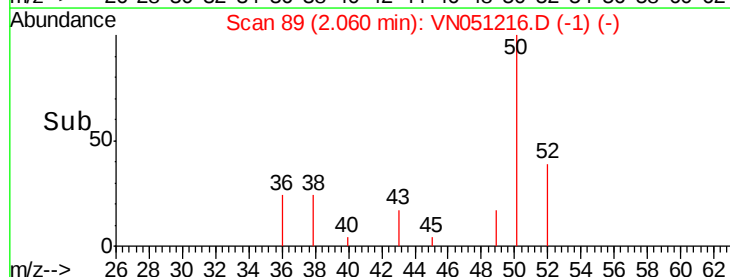
600

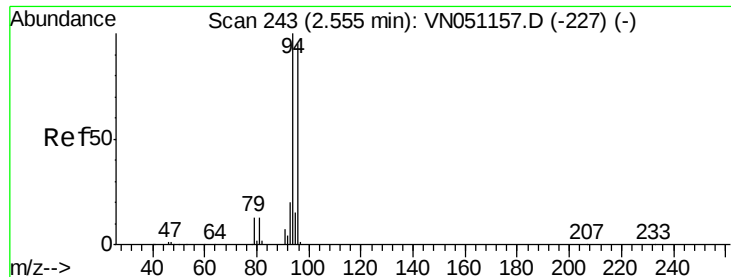
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051216.D

Acq: 15 Sep 2018 12:25

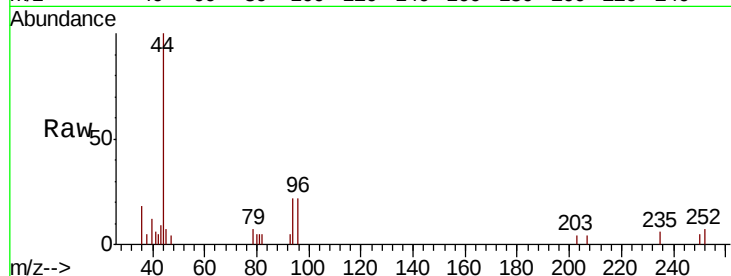
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 1876

Ion Ratio Lower Upper

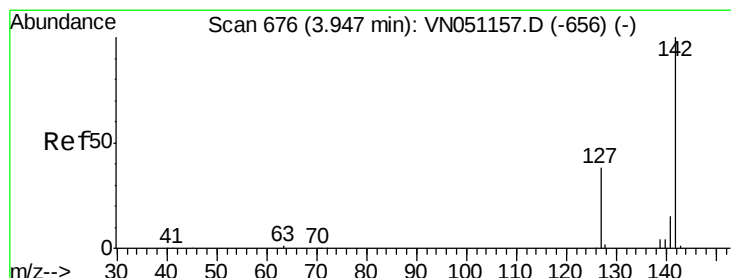
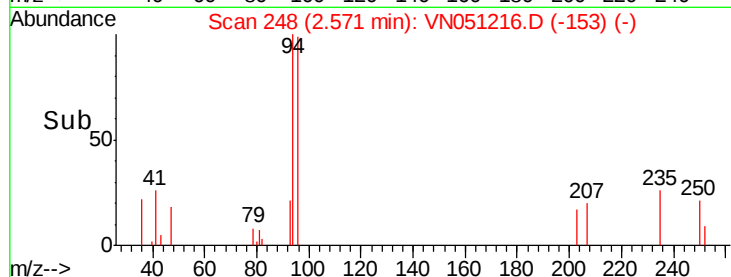
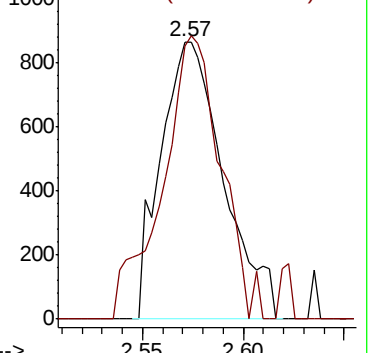
94 100

96 80.5 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN051157.D (-227) (-)

Ion 95.90 (95.60 to 96.60): VN051157.D (-227) (-)



#10

Methyl Iodide

Concen: 5.67 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051216.D

Acq: 15 Sep 2018 12:25

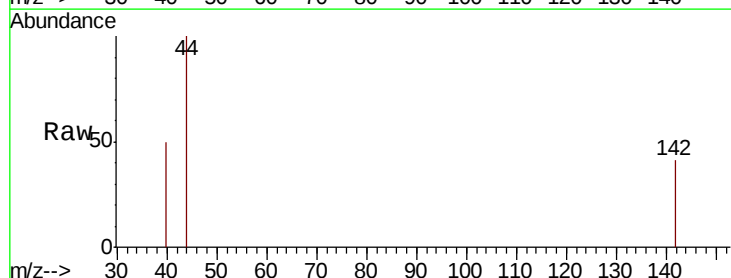
Tgt Ion: 142 Resp: 251

Ion Ratio Lower Upper

142 100

127 0.0 31.0 46.4#

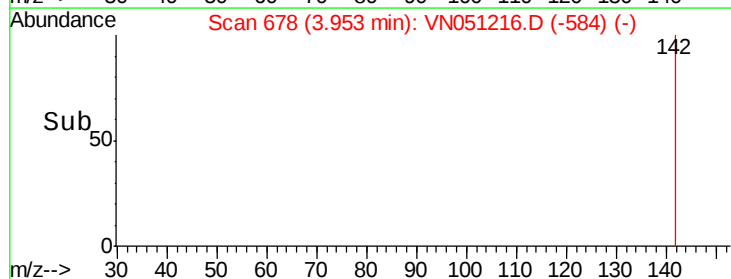
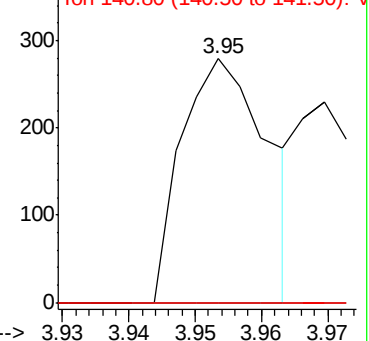
141 0.0 11.3 16.9#

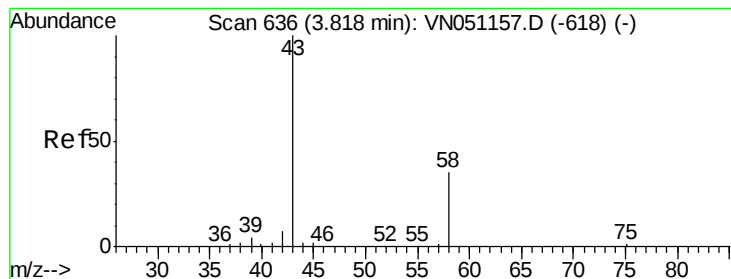


Abundance Ion 141.80 (141.50 to 142.50): VN051157.D (-656) (-)

Ion 126.80 (126.50 to 127.50): VN051157.D (-656) (-)

Ion 140.80 (140.50 to 141.50): VN051157.D (-656) (-)





#16

Acetone

Concen: Below Cal

RT: 3.84 min Scan# 643

Delta R.T. 0.02 min

Lab File: VN051216.D

Acq: 15 Sep 2018 12:25

Instrument :

MSVOA_N

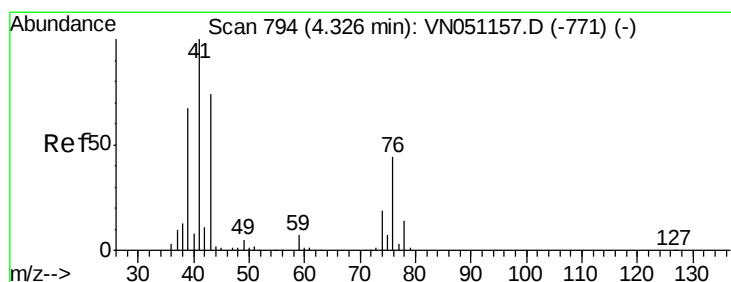
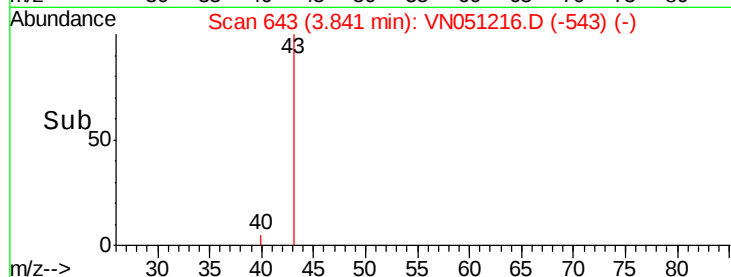
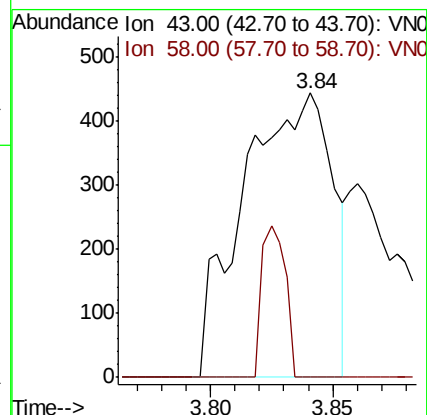
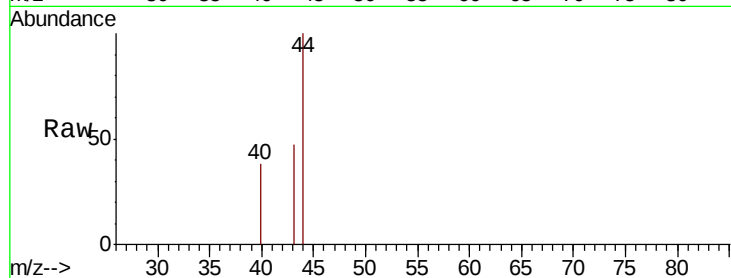
ClientSampled :

Tot Ion: 43 Resp: 1118

Ion Ratio Lower Upper

43 100

58 0.0 27.8 41.6#



#18

Methyl Acetate

Concen: 0.41 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN051216.D

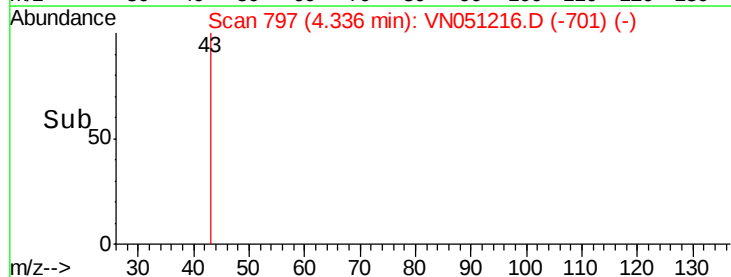
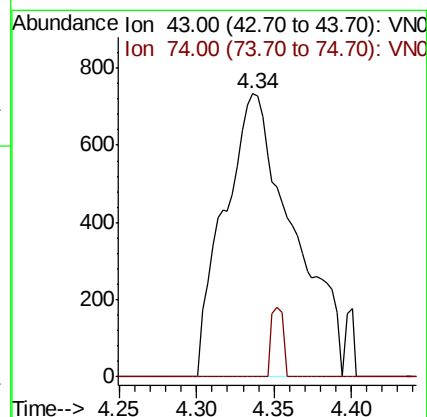
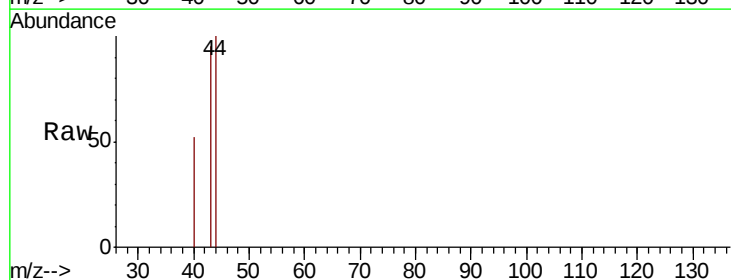
Acq: 15 Sep 2018 12:25

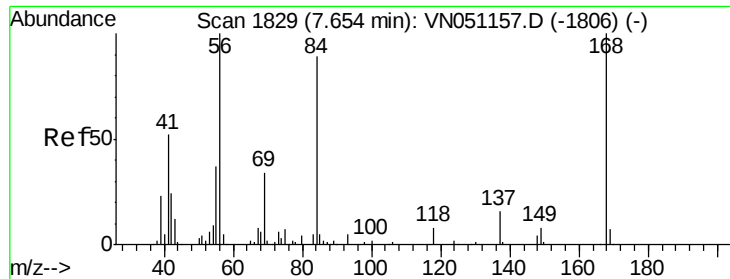
Tgt Ion: 43 Resp: 2261

Ion Ratio Lower Upper

43 100

74 4.4 20.7 31.1#

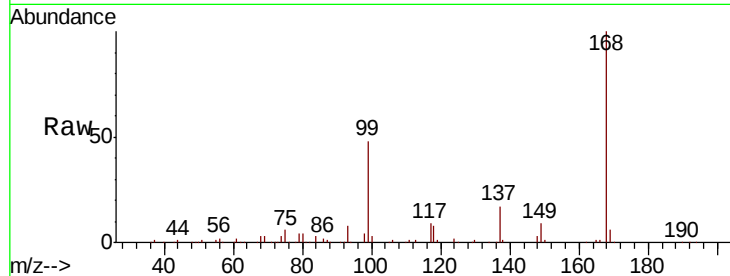




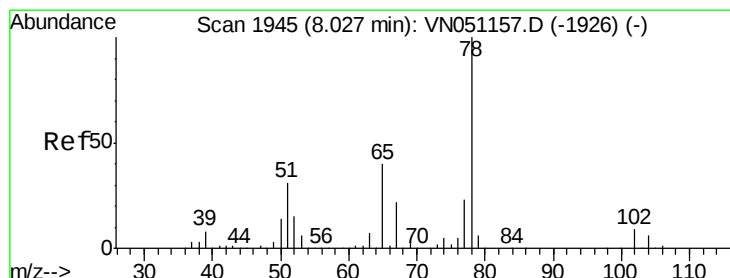
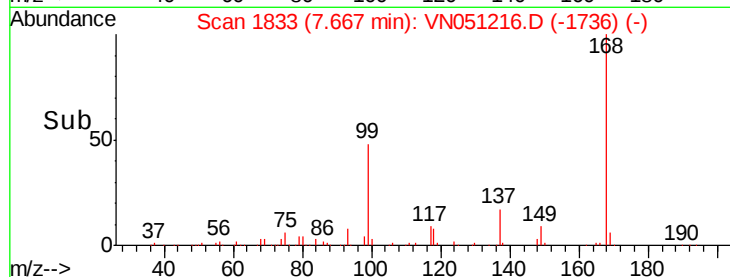
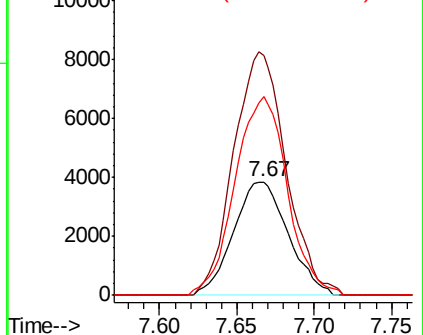
#31
Cyclohexane
Concen: 0.62 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN051216.D
Acq: 15 Sep 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 9438
Ion Ratio Lower Upper
56 100
69 211.1 26.3 39.5#
84 174.6 69.4 104.0#

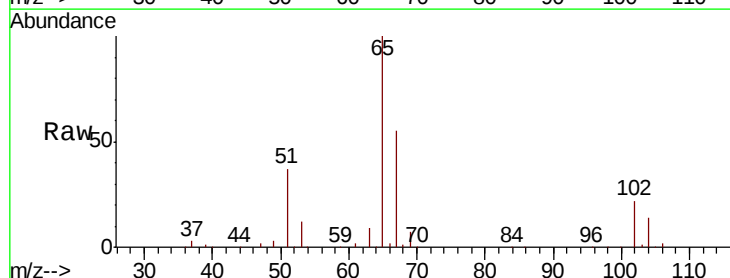


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

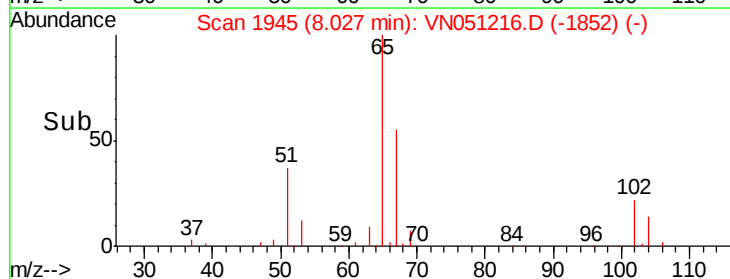
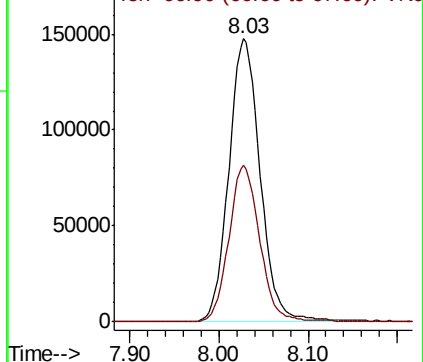


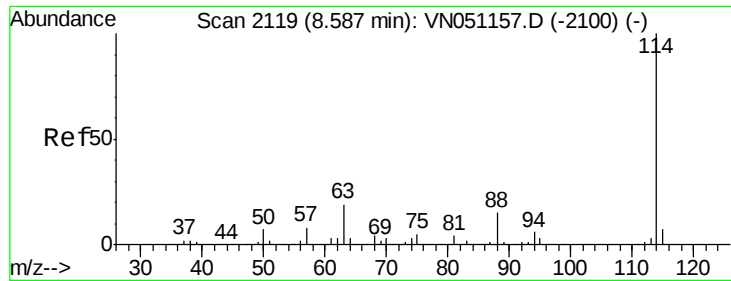
#33
1,2-Dichloroethane-d4
Concen: 52.56 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN051216.D
Acq: 15 Sep 2018 12:25

Tgt Ion: 65 Resp: 359122
Ion Ratio Lower Upper
65 100
67 54.3 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

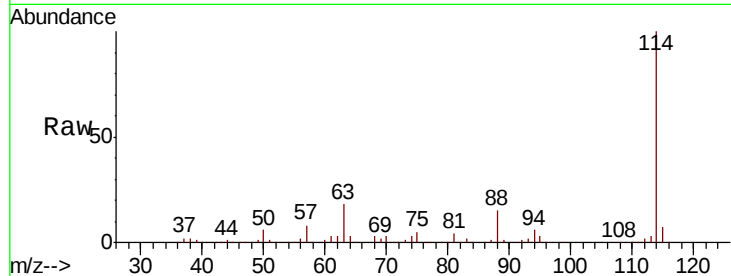




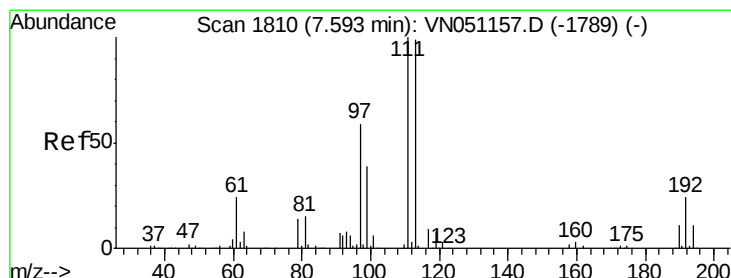
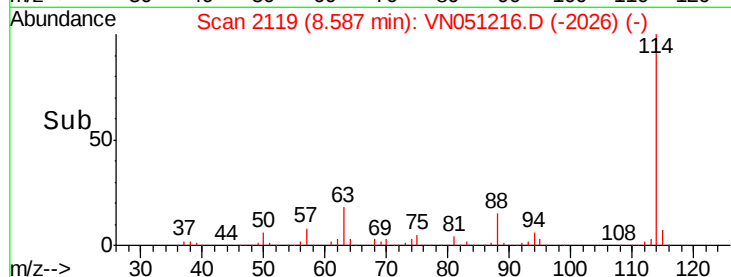
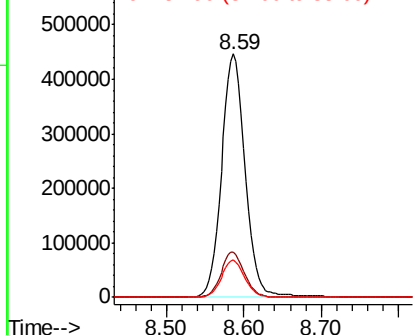
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051216.D
 Acq: 15 Sep 2018 12:25

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 946139
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 37.8
 88 15.2 0.0 30.8

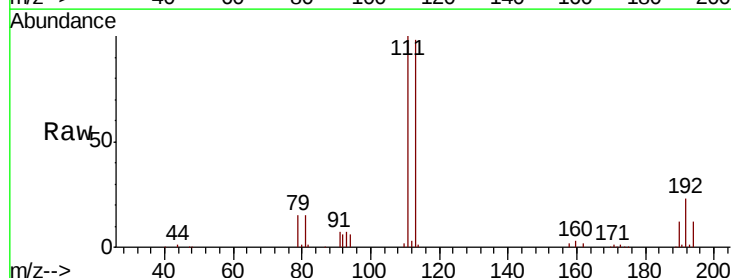


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

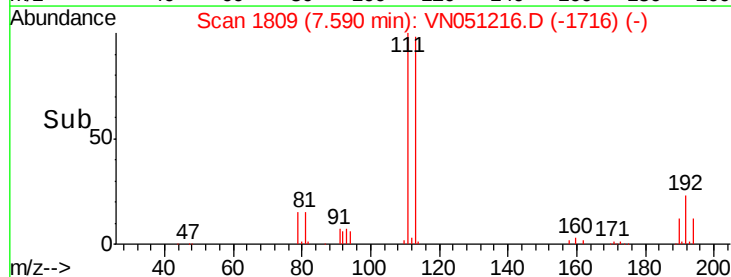
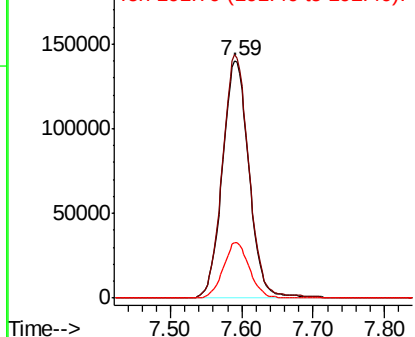


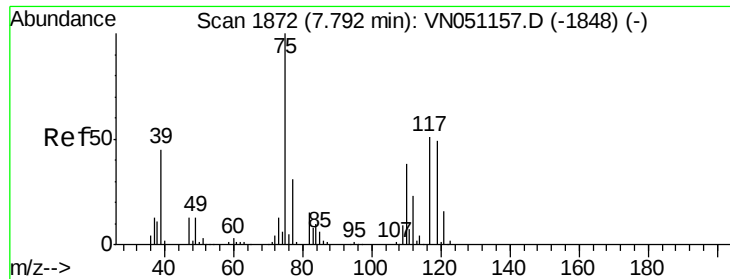
#35
 Dibromofluoromethane
 Concen: 51.09 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051216.D
 Acq: 15 Sep 2018 12:25

Tgt Ion:113 Resp: 363222
 Ion Ratio Lower Upper
 113 100
 111 102.4 83.0 124.6
 192 23.0 18.7 28.1



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

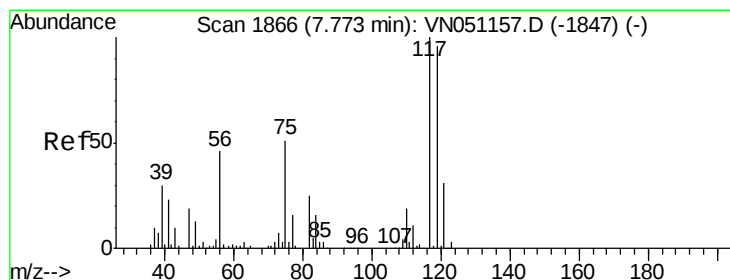
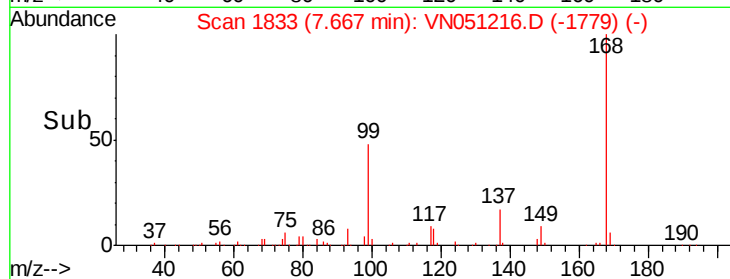
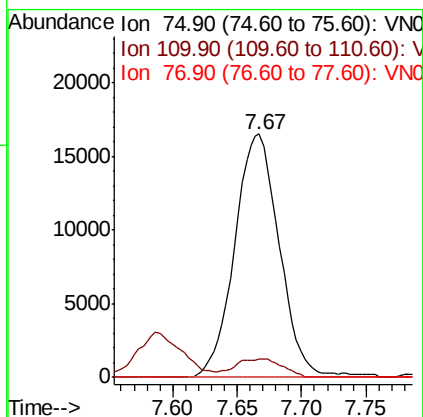
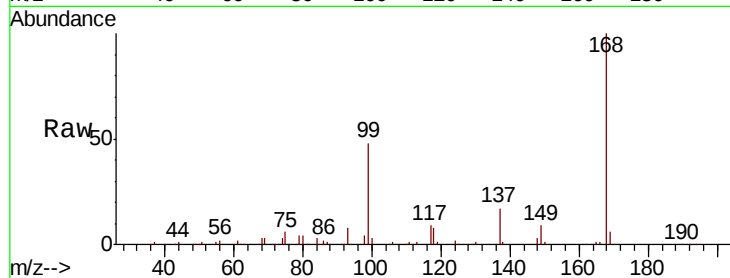




#36
 1,1-Dichloropropene
 Concen: 3.81 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051216.D
 Acq: 15 Sep 2018 12:25

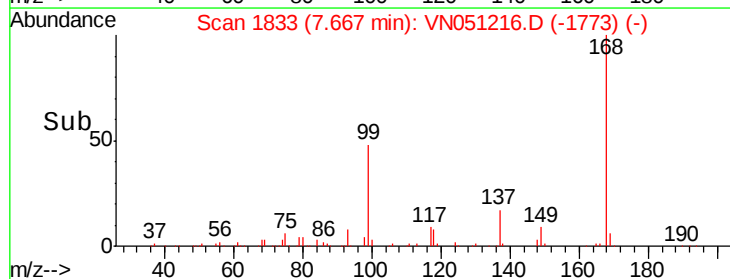
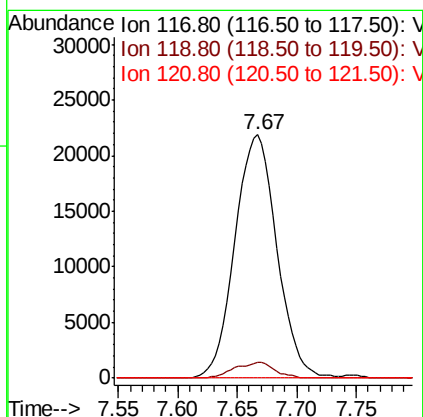
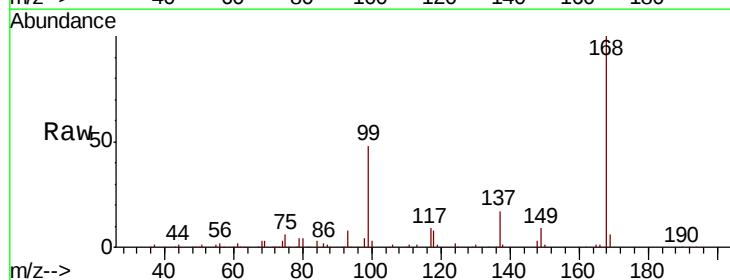
Instrument :
 MSVOA_N
 ClientSampleId :

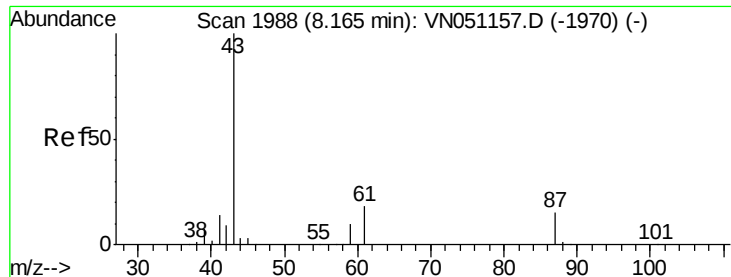
Tot Ion	75	Resp	39594
Ion Ratio	Lower	Upper	
75	100		
110	1.7	18.6	55.8#
77	0.0	25.2	37.8#



#38
 Carbon Tetrachloride
 Concen: 5.22 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN051216.D
 Acq: 15 Sep 2018 12:25

Tgt Ion	117	Resp	53346
Ion Ratio	Lower	Upper	
117	100		
119	6.5	76.8	115.2#
121	0.0	24.6	36.8#





#43

Isopropyl Acetate

Concen: 2.95 ug/l

RT: 8.28 min Scan# 2023

Delta R.T. 0.12 min

Lab File: VN051216.D

Acq: 15 Sep 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

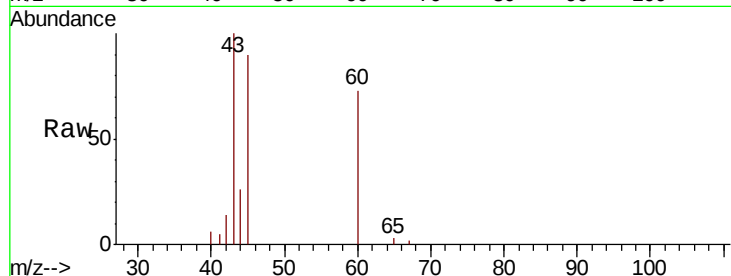
Tot Ion: 43 Resp: 31299

Ion Ratio Lower Upper

43 100

61 0.0 25.0 37.6#

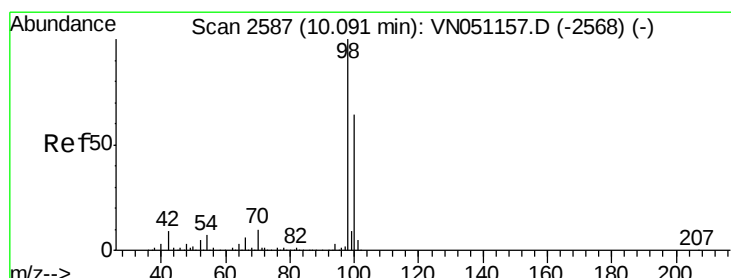
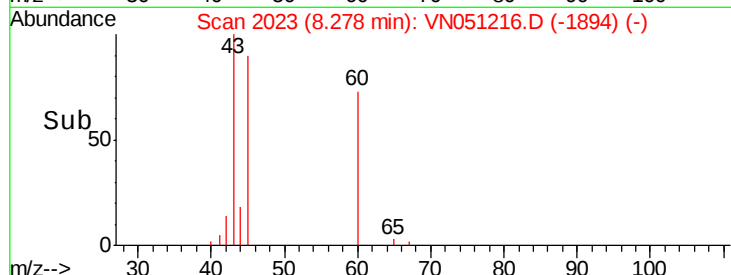
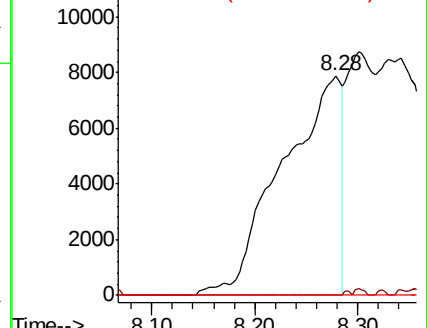
87 0.0 11.8 17.8#



Abundance Ion 43.00 (42.70 to 43.70): VN051216.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN051216.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN051216.D (-1894) (-)



#50

Toluene-d8

Concen: 49.10 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051216.D

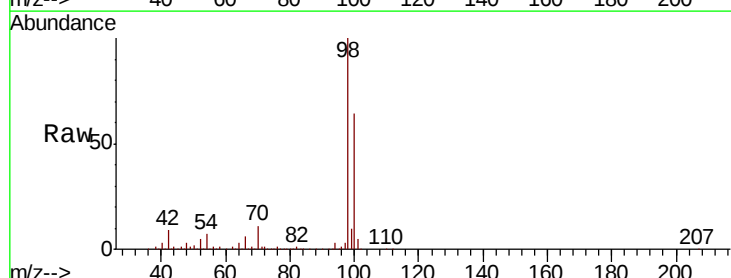
Acq: 15 Sep 2018 12:25

Tgt Ion: 98 Resp: 1324717

Ion Ratio Lower Upper

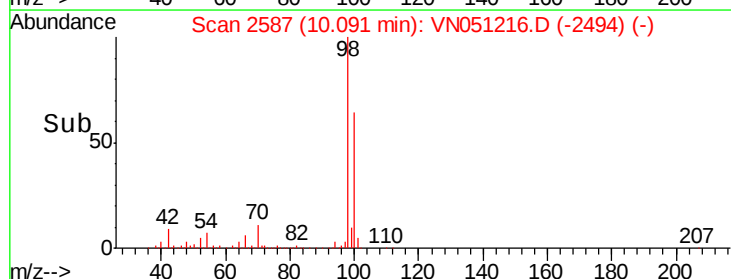
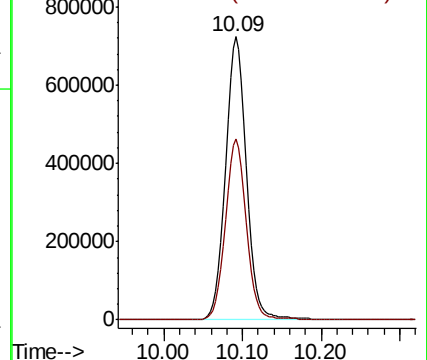
98 100

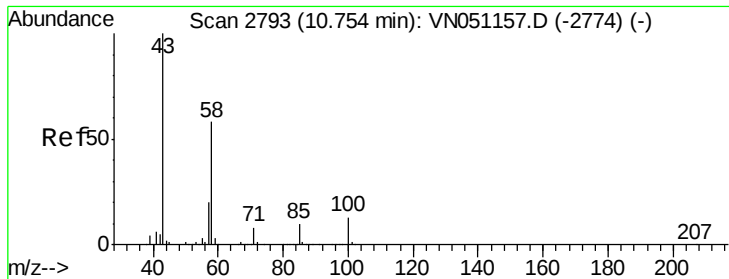
100 64.1 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN051216.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN051216.D (-2494) (-)

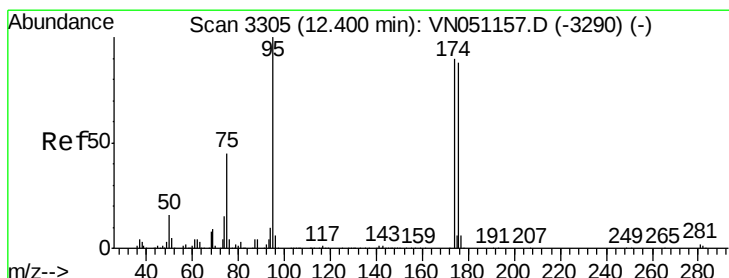
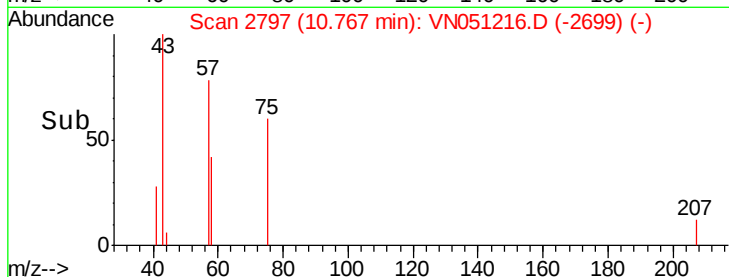
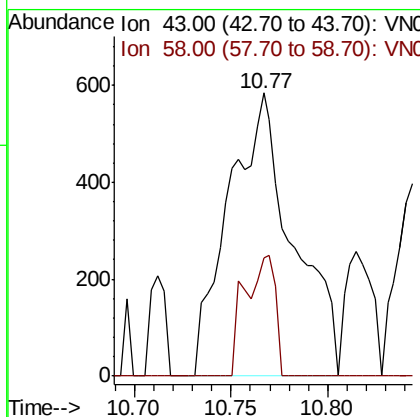
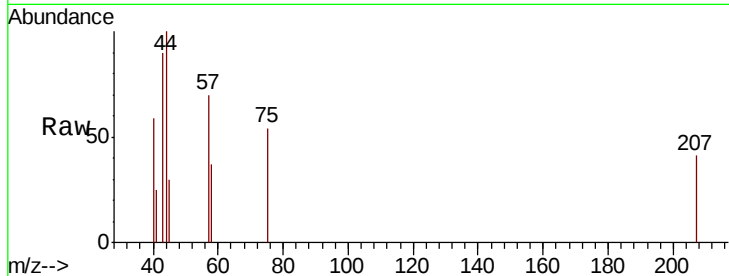




#59
2-Hexanone
Concen: 0.34 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.02 min
Lab File: VN051216.D
Acq: 15 Sep 2018 12:25

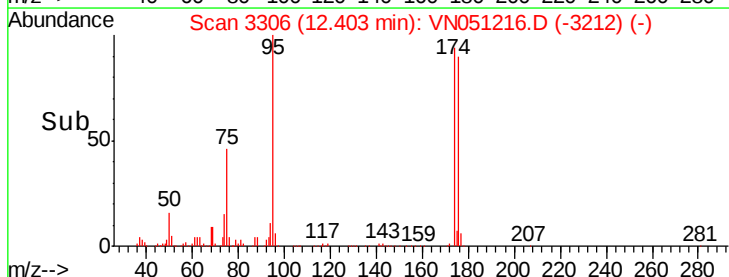
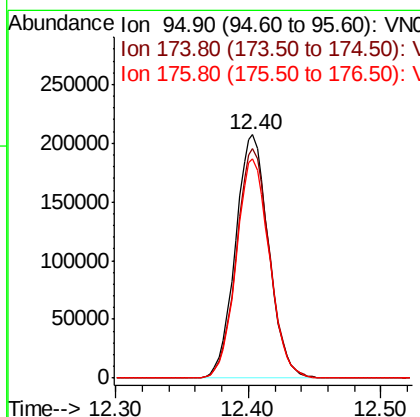
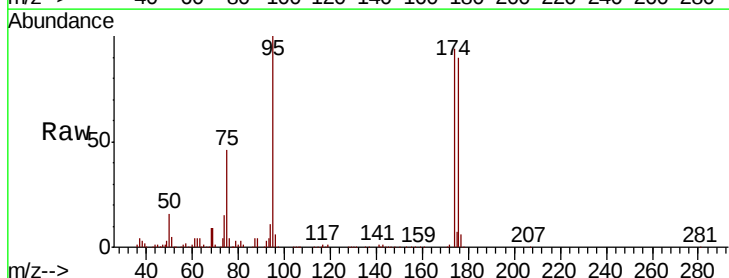
Instrument :
MSVOA_N
ClientSampled :

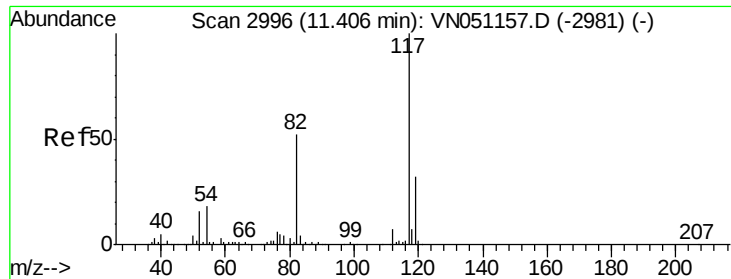
Tot Ion: 43 Resp: 1351
Ion Ratio Lower Upper
43 100
58 20.1 29.3 88.0#



#62
4-Bromofluorobenzene
Concen: 40.23 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051216.D
Acq: 15 Sep 2018 12:25

Tgt Ion: 95 Resp: 358989
Ion Ratio Lower Upper
95 100
174 94.5 0.0 184.8
176 90.3 0.0 178.6

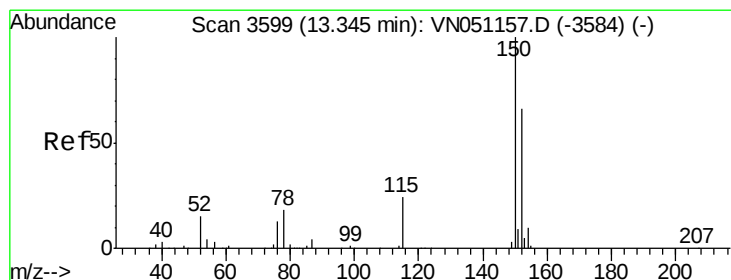
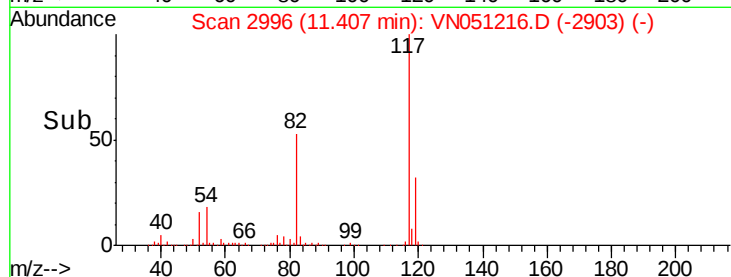
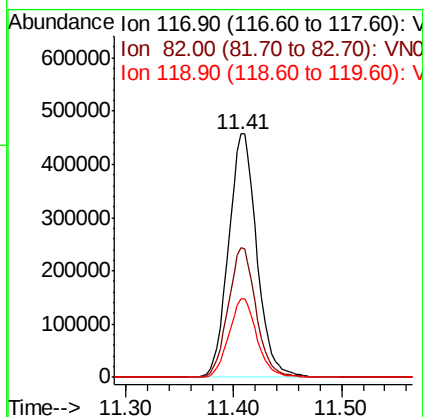
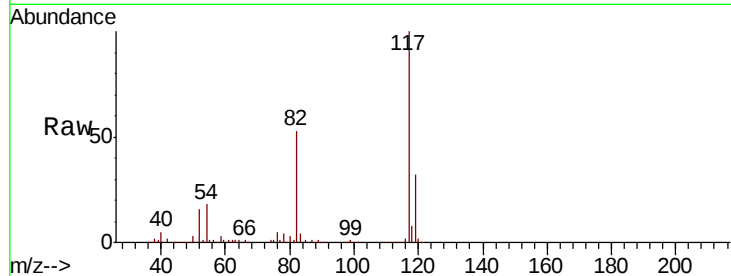




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051216.D
Acq: 15 Sep 2018 12:25

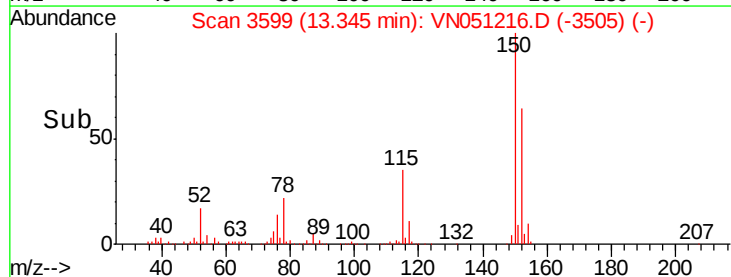
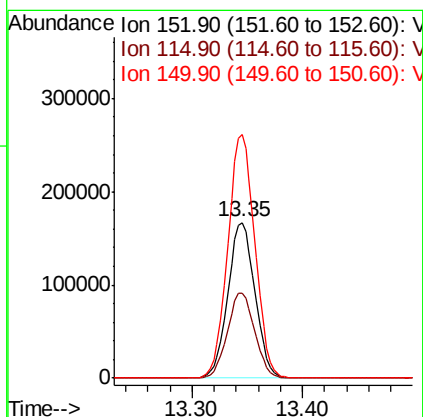
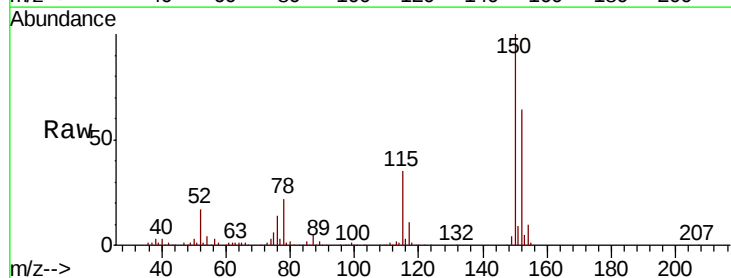
Instrument :
MSVOA_N
ClientSampleId :

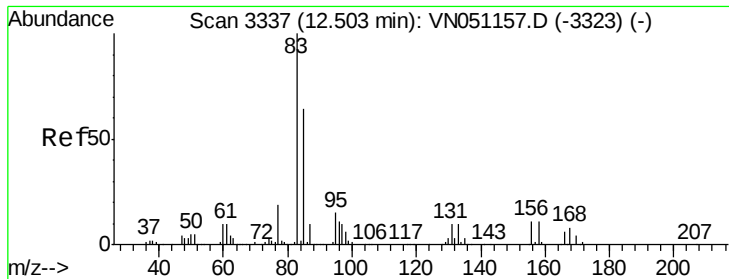
Tot Ion:117 Resp: 835381
Ion Ratio Lower Upper
117 100
82 53.3 41.8 62.6
119 32.3 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051216.D
Acq: 15 Sep 2018 12:25

Tgt Ion:152 Resp: 283732
Ion Ratio Lower Upper
152 100
115 54.9 28.2 84.7
150 156.5 0.0 349.0





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051216.D

Acq: 15 Sep 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

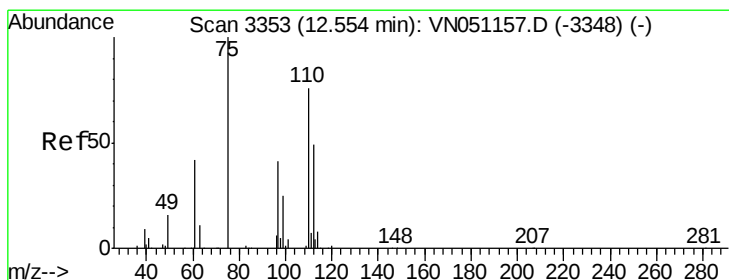
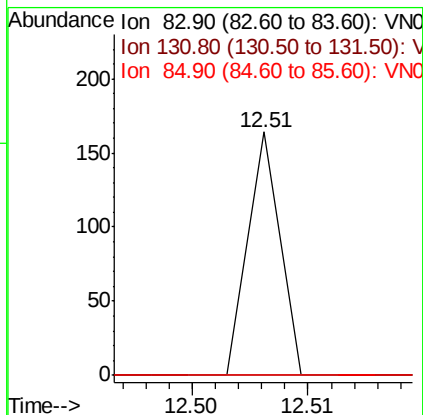
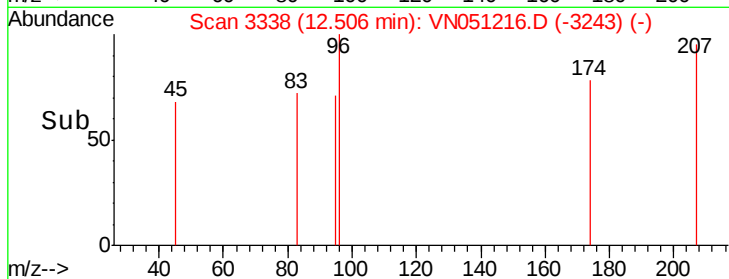
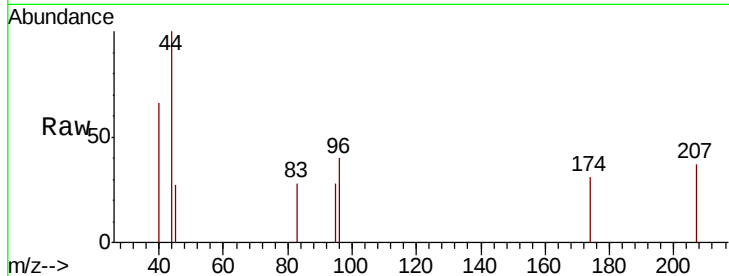
Tot Ion: 83 Resp: 32

Ion Ratio Lower Upper

83 100

131 0.0 5.3 16.1#

85 0.0 32.3 96.8#



#76

1,2,3-Trichloropropane

Concen: 37.53 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051216.D

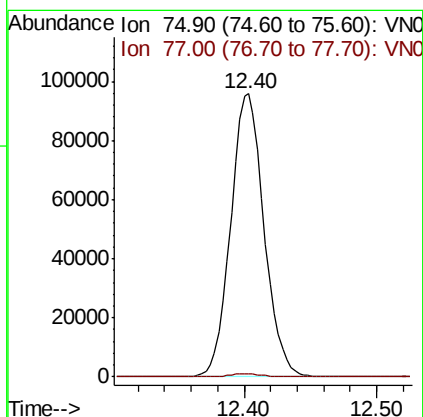
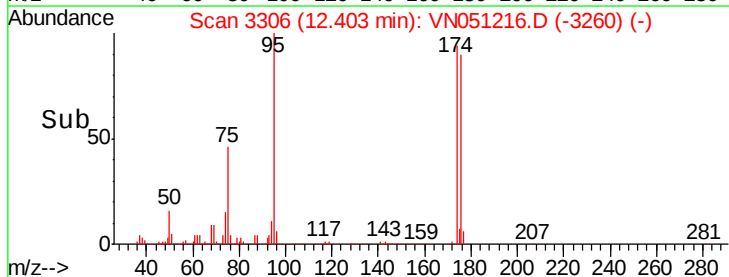
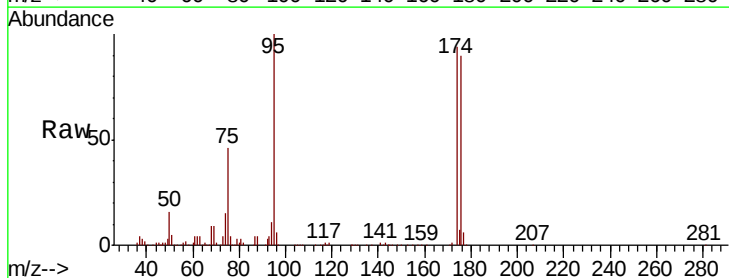
Acq: 15 Sep 2018 12:25

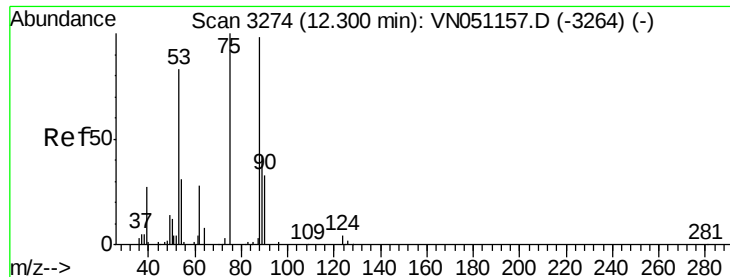
Tgt Ion: 75 Resp: 166735

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 111.60 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051216.D

Acq: 15 Sep 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

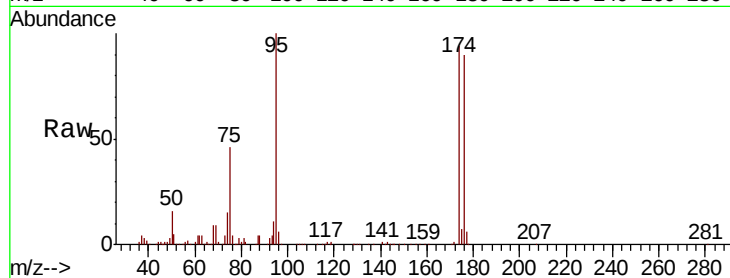
Tot Ion: 75 Resp: 166735

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

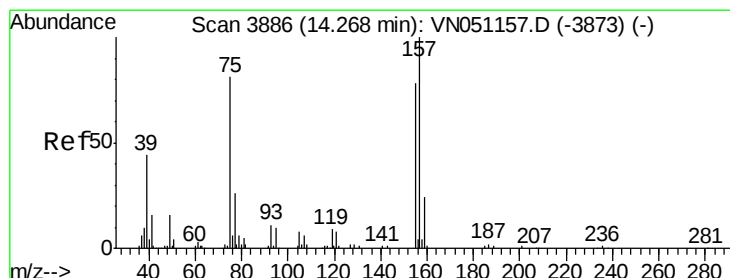
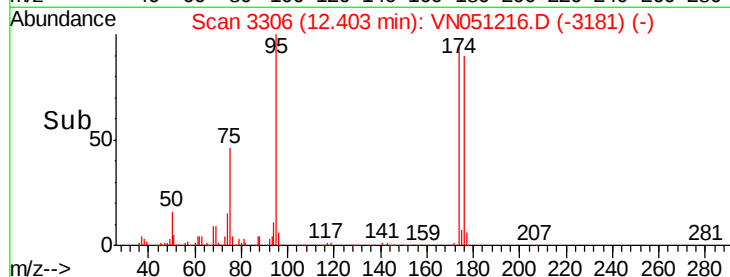
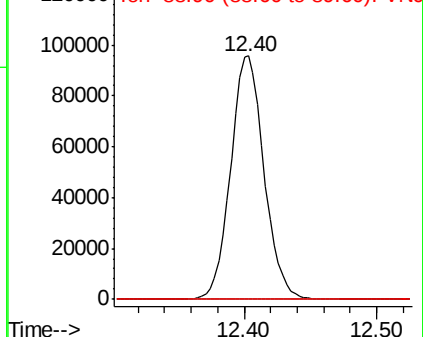
89 0.0 36.0 54.0#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.70 ug/l

RT: 14.28 min Scan# 3891

Delta R.T. 0.02 min

Lab File: VN051216.D

Acq: 15 Sep 2018 12:25

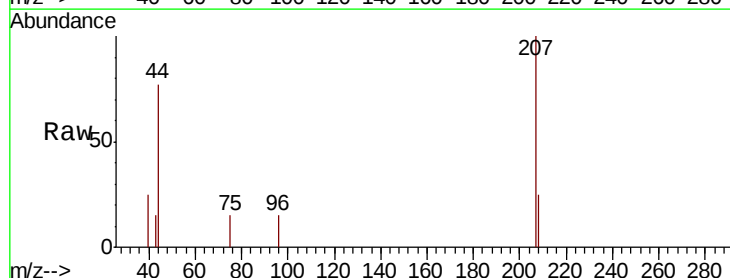
Tgt Ion: 75 Resp: 32

Ion Ratio Lower Upper

75 100

155 0.0 48.7 146.1#

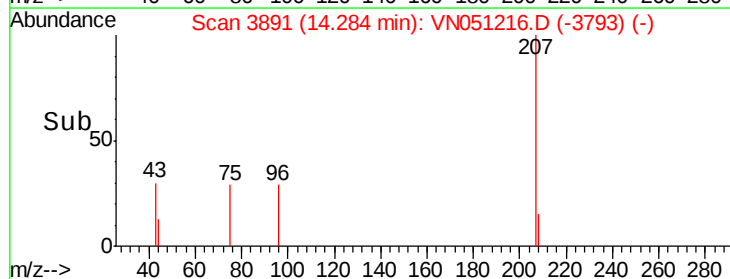
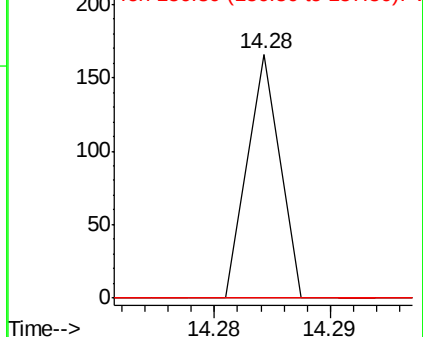
157 0.0 63.6 190.9#

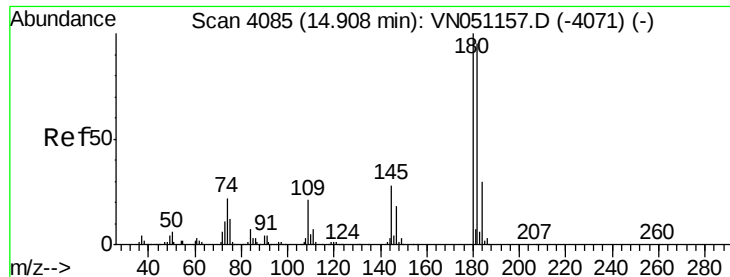


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

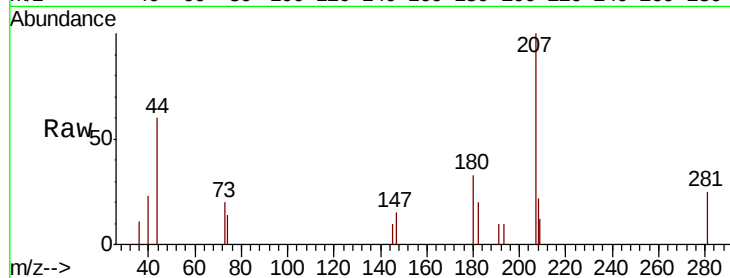




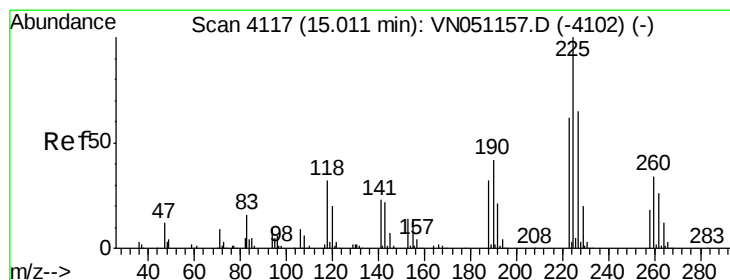
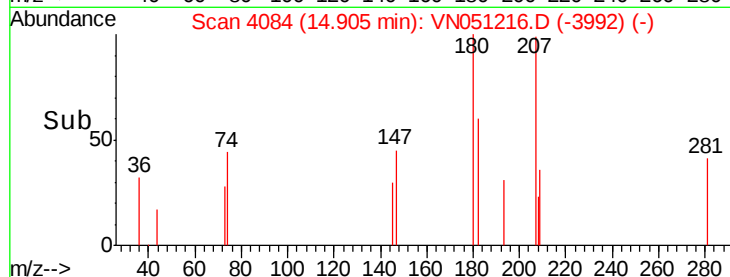
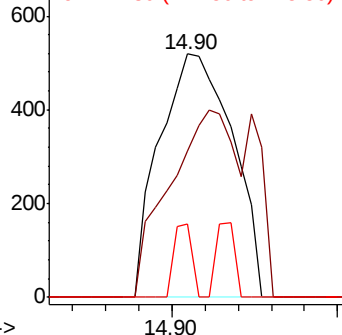
#93
 1,2,4-Trichlorobenzene
 Concen: 4.13 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN051216.D
 Acq: 15 Sep 2018 12:25

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 795
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 141.8#
 145 7.4 14.2 42.6#

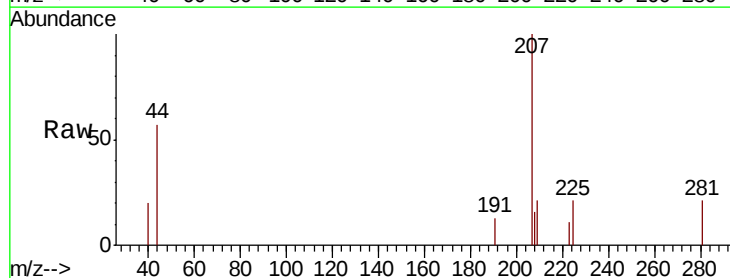


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

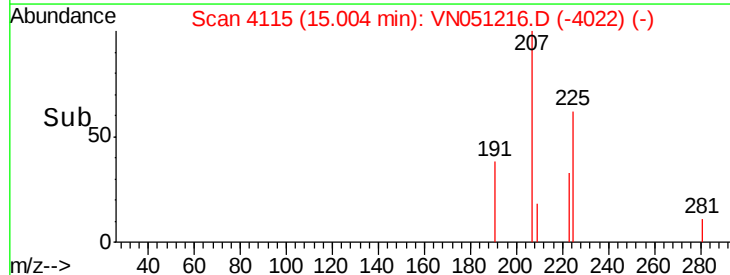
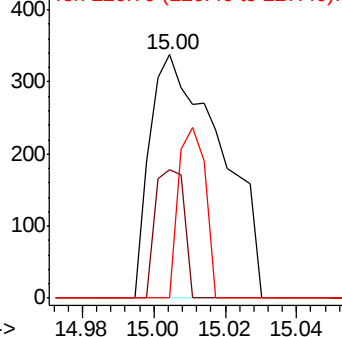


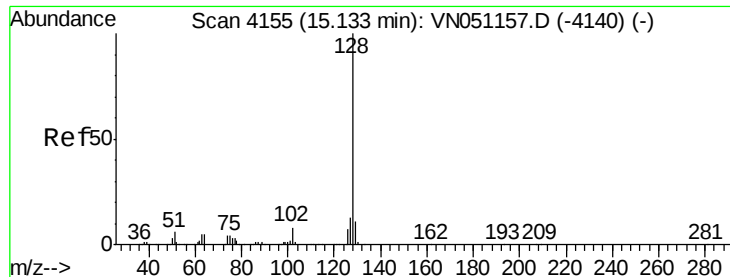
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN051216.D
 Acq: 15 Sep 2018 12:25

Tgt Ion:225 Resp: 464
 Ion Ratio Lower Upper
 225 100
 223 21.3 31.4 94.0#
 227 26.3 32.1 96.3#



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: 5.48 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN051216.D

Acq: 15 Sep 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

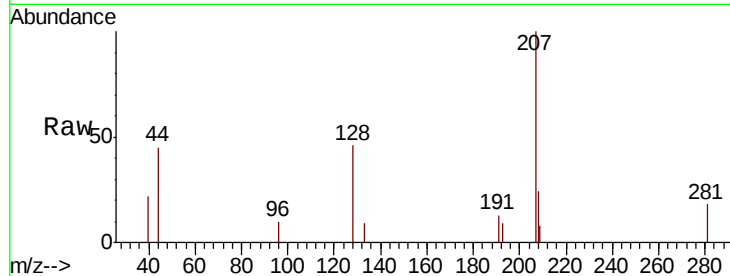
Tot Ion:128 Resp: 1720

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

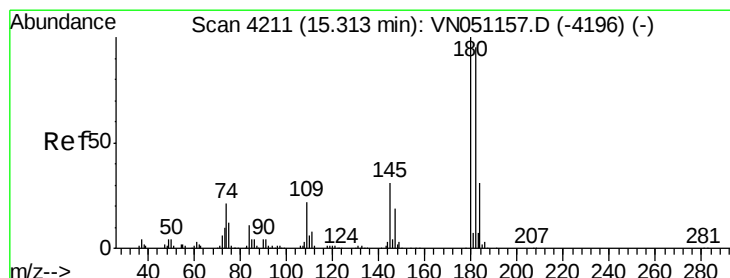
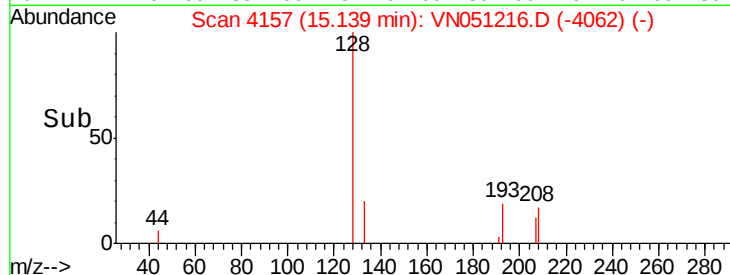
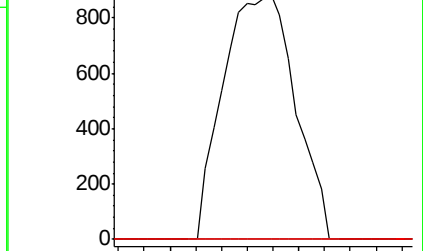
129 0.0 8.6 12.8#



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: 3.13 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051216.D

Acq: 15 Sep 2018 12:25

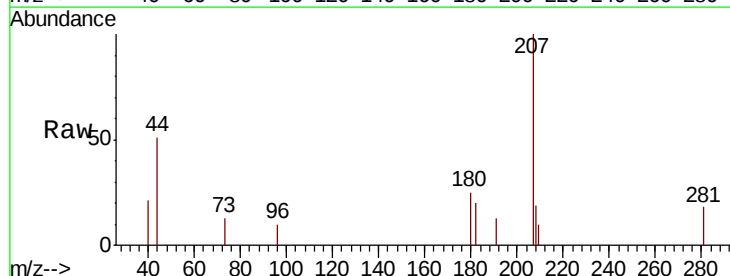
Tgt Ion:180 Resp: 918

Ion Ratio Lower Upper

180 100

182 62.1 47.8 143.3

145 0.0 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

