

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073018\
 Data File : VN050197.D
 Acq On : 30 Jul 2018 19:17
 Operator : MD\SY
 Sample : J4221-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ECMW-01

Quant Time: Jul 31 01:14:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	657130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1078546	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	900456	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	340782	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	466430	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
35) Dibromofluoromethane	7.59	113	413831	46.99	ug/l	0.00
Spiked Amount			Recovery	=	93.98%	
50) Toluene-d8	10.09	98	1452879	44.88	ug/l	0.00
Spiked Amount			Recovery	=	89.76%	
62) 4-Bromofluorobenzene	12.40	95	411021	38.56	ug/l	0.00
Spiked Amount			Recovery	=	77.12%	

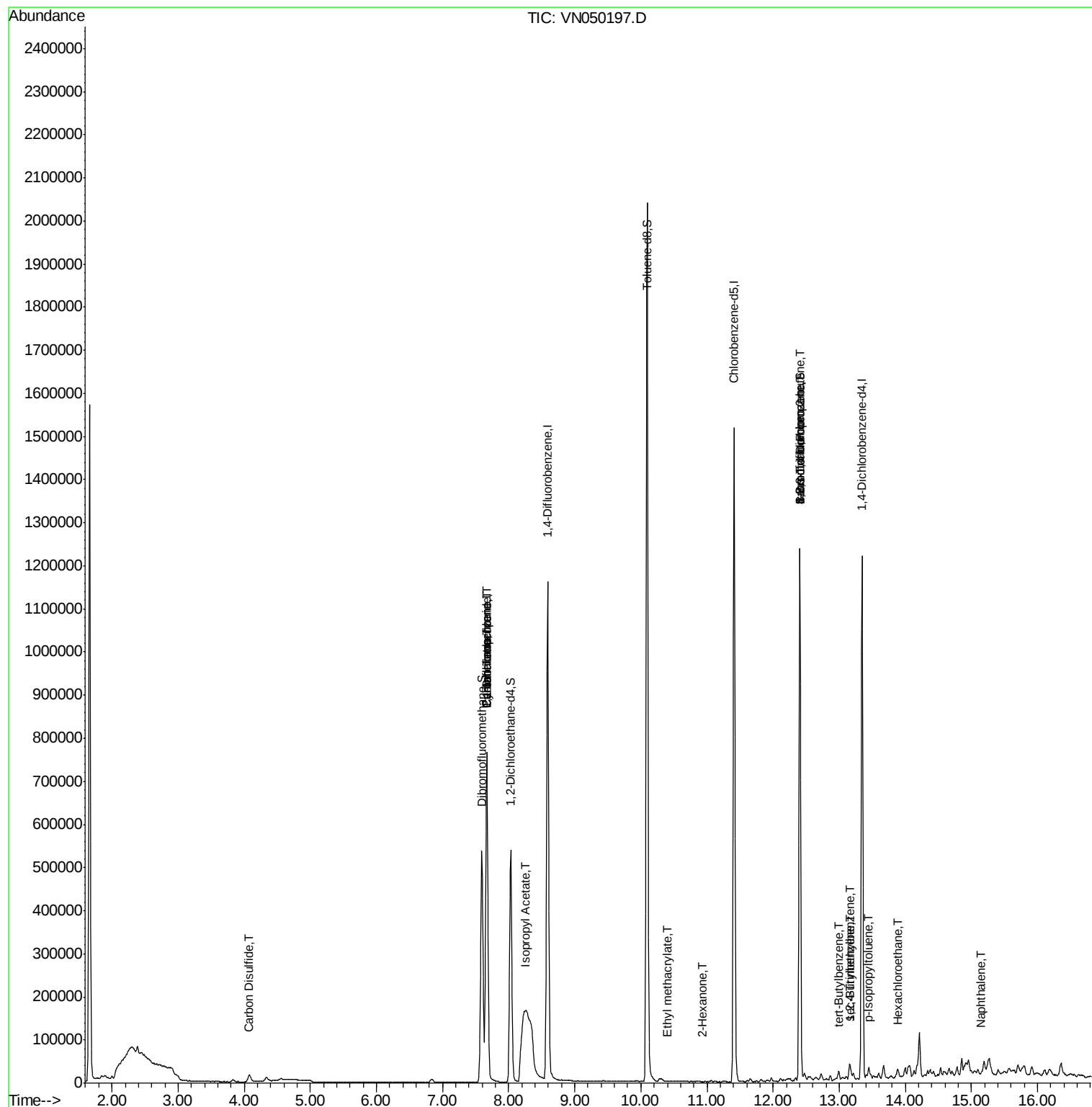
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	200	Below Cal	#	3
16) Acetone	3.83	43	8805	Below Cal	#	97
17) Carbon Disulfide	4.05	76	6217	0.27	ug/l	75
20) Methylene Chloride	4.55	84	1871	Below Cal	#	88
31) Cyclohexane	7.67	56	12022	0.88	ug/l	1
36) 1,1-Dichloropropene	7.67	75	45517	3.75	ug/l	49
38) Carbon Tetrachloride	7.67	117	59653	4.63	ug/l	16
43) Isopropyl Acetate	8.24	43	186847	10.81	ug/l	61
56) Ethyl methacrylate	10.40	69	63	2.04	ug/l	66
59) 2-Hexanone	10.93	43	102	5.19	ug/l	67
71) Bromoform	12.40	173	3647	0.57	ug/l	1
75) 1,1,2,2-Tetrachloroethane	12.55	83	466	Below Cal	#	32
76) 1,2,3-Trichloropropane	12.40	75	200457	31.65	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	200457	100.39	ug/l	13
83) tert-Butylbenzene	12.99	119	8350	0.46	ug/l	98
84) 1,2,4-Trimethylbenzene	13.17	105	9495	0.45	ug/l	31
85) sec-Butylbenzene	13.17	105	9495	0.39	ug/l	1
86) p-Isopropyltoluene	13.44	119	10546	0.52	ug/l	97
90) Hexachloroethane	13.89	117	1137	0.25	ug/l	4
92) 1,2-Dibromo-3-Chloropropan	14.21	75	440	Below Cal	#	1
95) Naphthalene	15.14	128	1726	4.52	ug/l	73

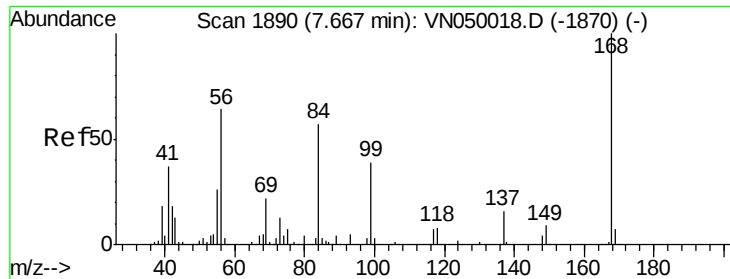
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073018\
Data File : VN050197.D
Acq On : 30 Jul 2018 19:17
Operator : MD\SY
Sample : J4221-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ECMW-01

Quant Time: Jul 31 01:14:26 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050197.D

Acq: 30 Jul 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

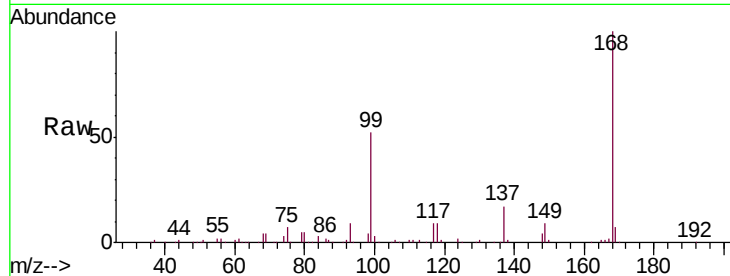
ECMW-01

Tot Ion:168 Resp: 657130

Ion Ratio Lower Upper

168 100

99 51.6 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050018.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050018.D (-1870) (-)

7.67

250000

200000

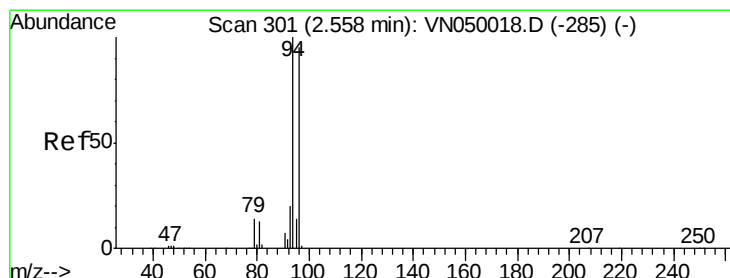
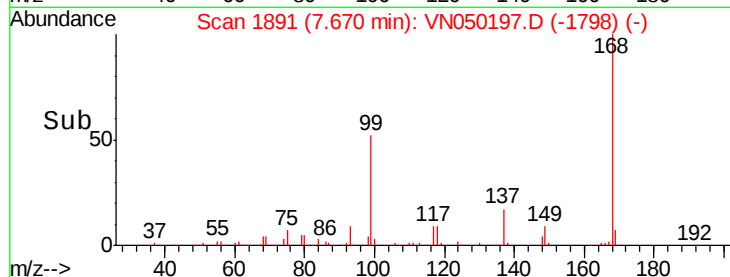
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 301

Delta R.T. 0.01 min

Lab File: VN050197.D

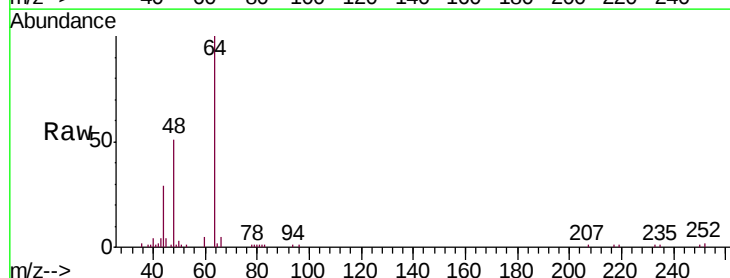
Acq: 30 Jul 2018 19:17

Tgt Ion: 94 Resp: 200

Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VN050018.D (-285) (-)

Ion 95.90 (95.60 to 96.60): VN050018.D (-285) (-)

2.56

400

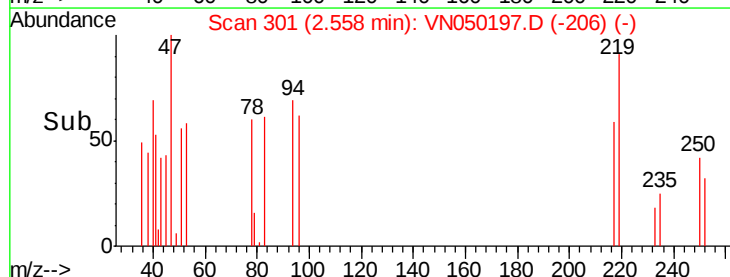
300

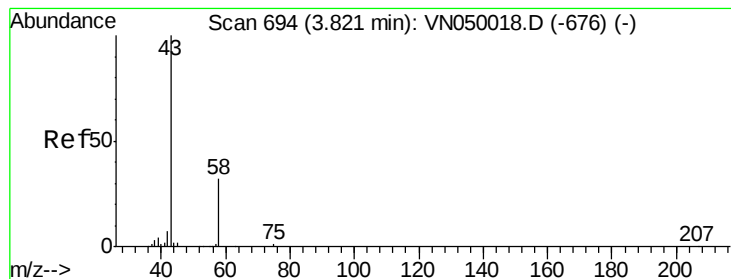
200

100

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN050197.D

Acq: 30 Jul 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

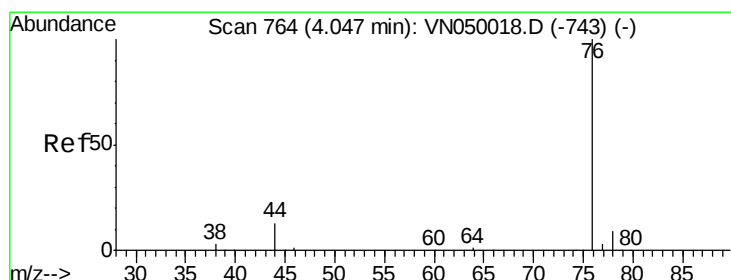
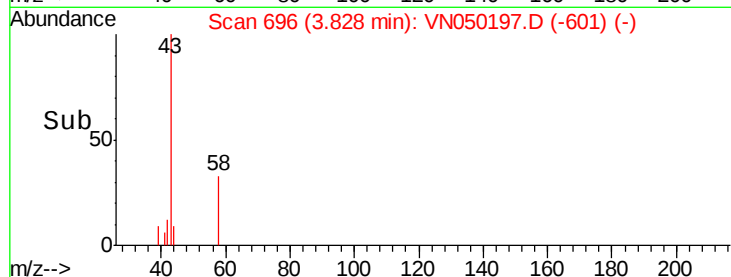
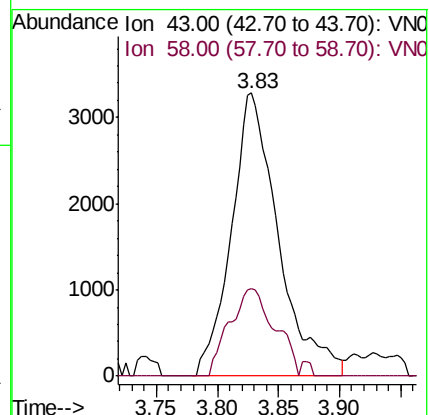
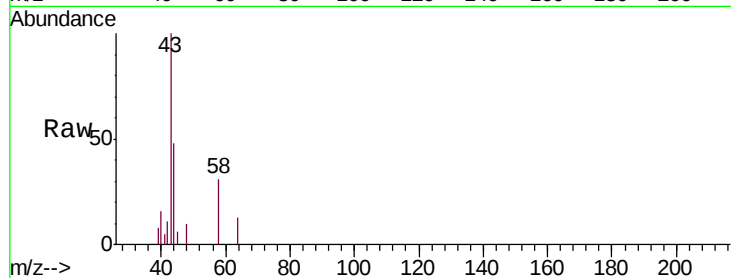
ECMW-01

Tot Ion: 43 Resp: 8805

Ion Ratio Lower Upper

43 100

58 30.7 25.8 38.8



#17

Carbon Disulfide

Concen: 0.27 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050197.D

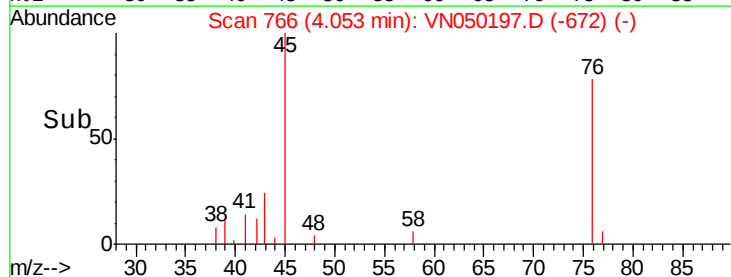
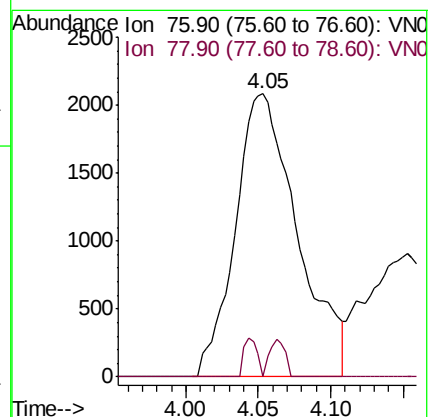
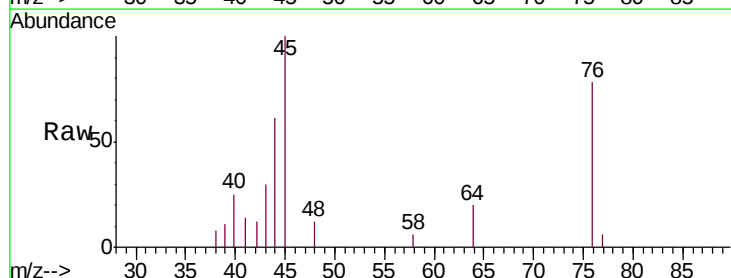
Acq: 30 Jul 2018 19:17

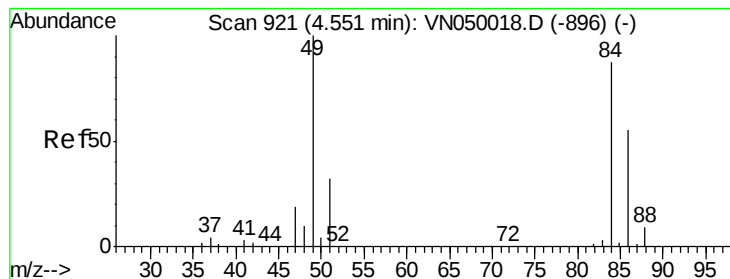
Tgt Ion: 76 Resp: 6217

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.55 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN050197.D

Acq: 30 Jul 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

ECMW-01

Tot Ion: 84 Resp: 1871

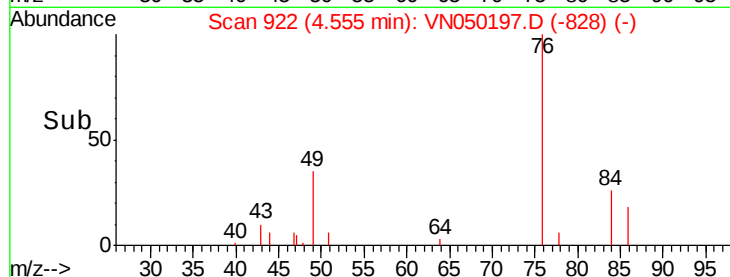
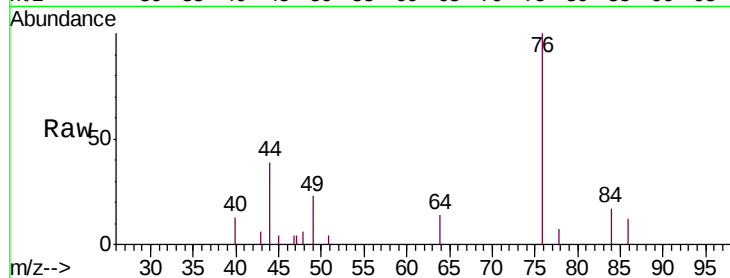
Ion Ratio Lower Upper

84 100

49 105.8 94.8 142.2

51 23.9 28.3 42.5#

86 70.2 51.0 76.6

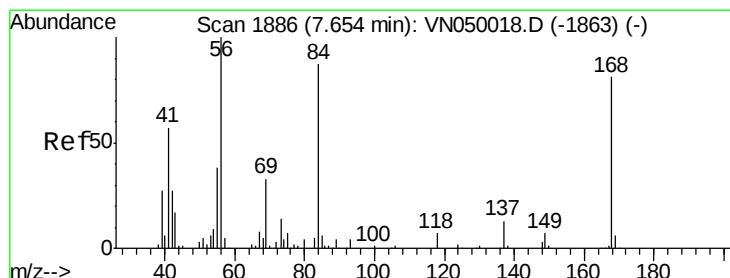
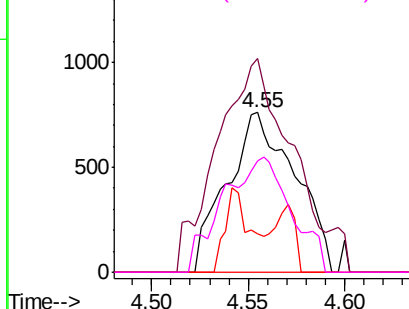


Abundance Ion 83.90 (83.60 to 84.60): VNC

Ion 48.90 (48.60 to 49.60): VNC

Ion 50.90 (50.60 to 51.60): VNC

Ion 85.90 (85.60 to 86.60): VNC



#31

Cyclohexane

Concen: 0.88 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VN050197.D

Acq: 30 Jul 2018 19:17

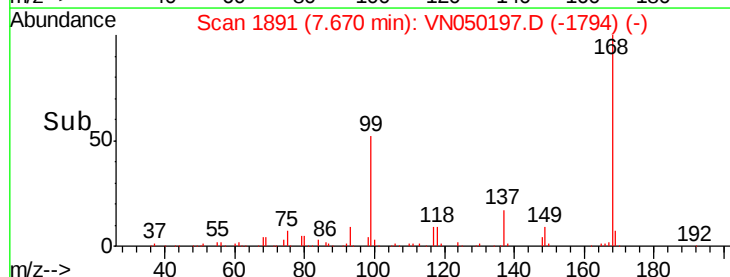
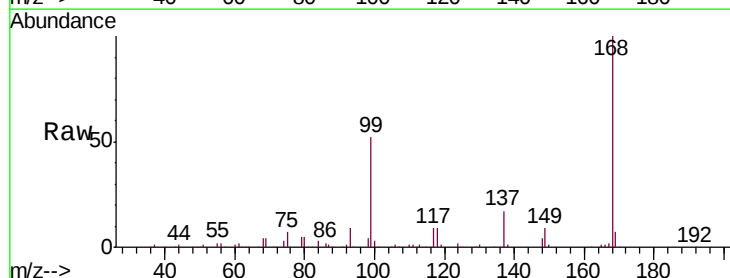
Tgt Ion: 56 Resp: 12022

Ion Ratio Lower Upper

56 100

69 196.0 26.2 39.4#

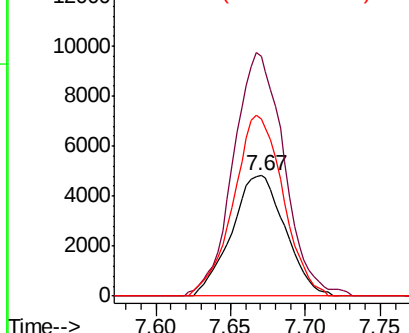
84 147.3 67.4 101.0#

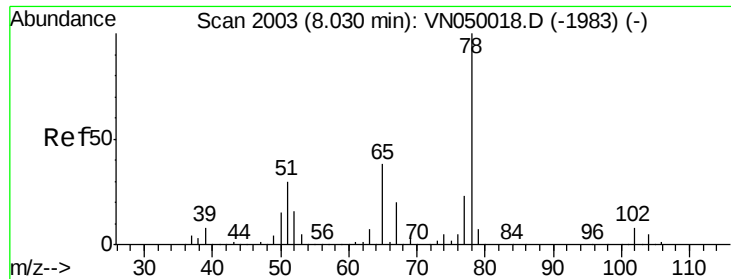


Abundance Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC

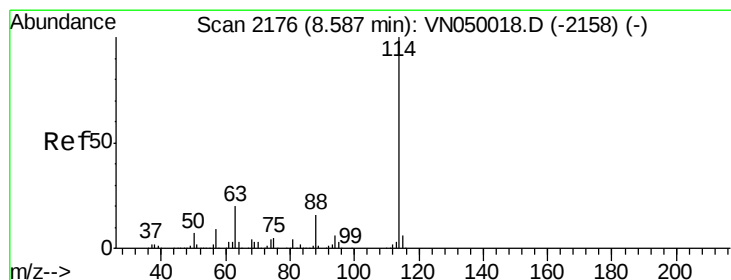
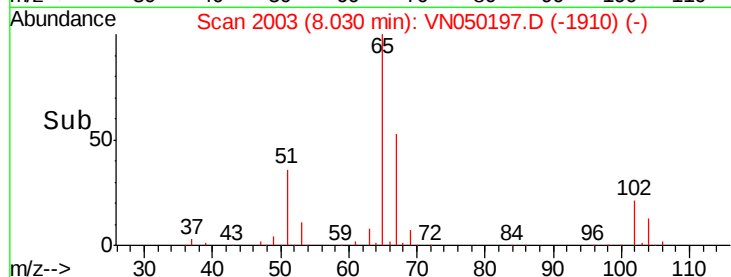
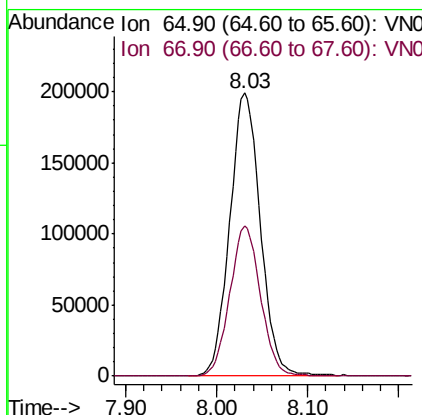
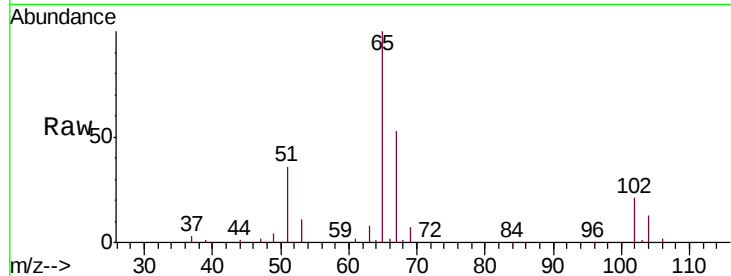




#33
 1,2-Dichloroethane-d4
 Concen: 50.87 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050197.D
 Acq: 30 Jul 2018 19:17

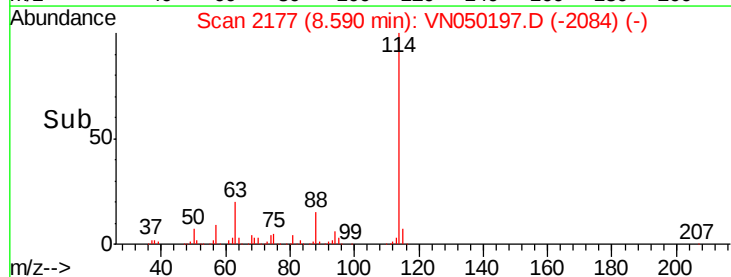
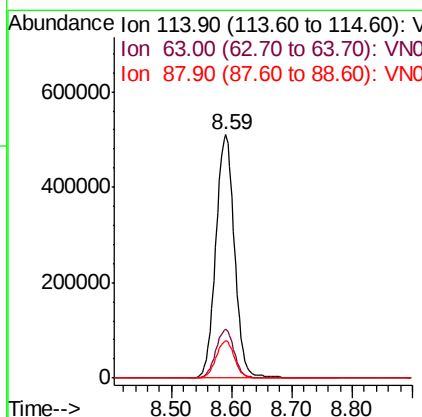
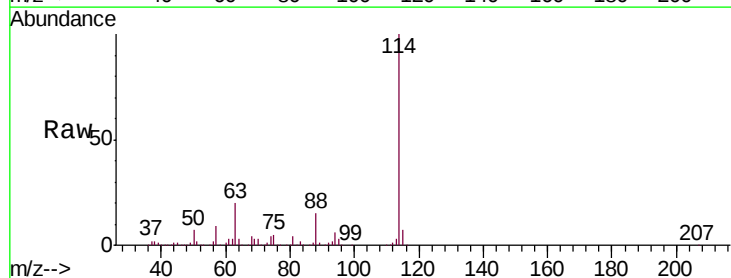
Instrument :
 MSVOA_N
 ClientSampleId :
 ECMW-01

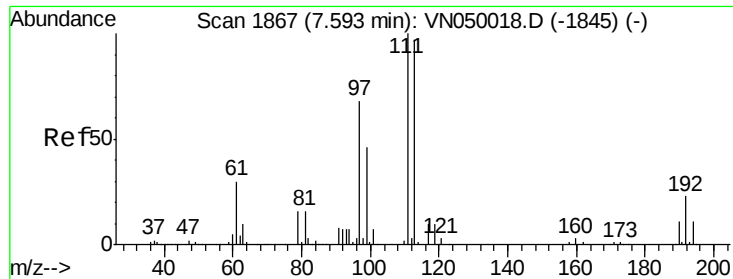
Tot Ion: 65 Resp: 466430
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050197.D
 Acq: 30 Jul 2018 19:17

Tgt Ion: 114 Resp: 1078546
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 15.3 0.0 31.2

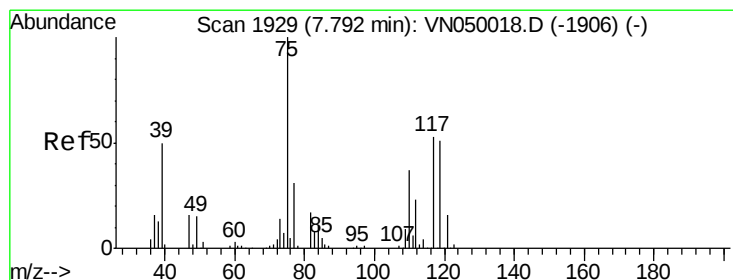
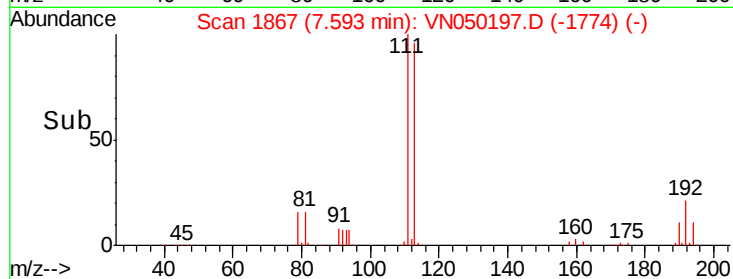
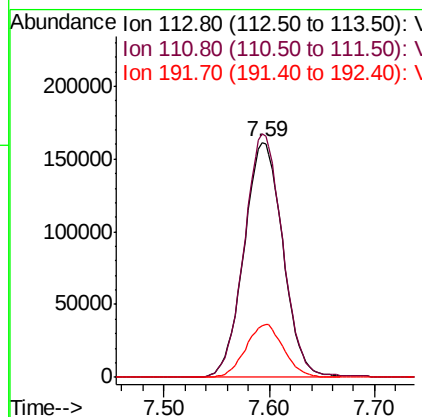
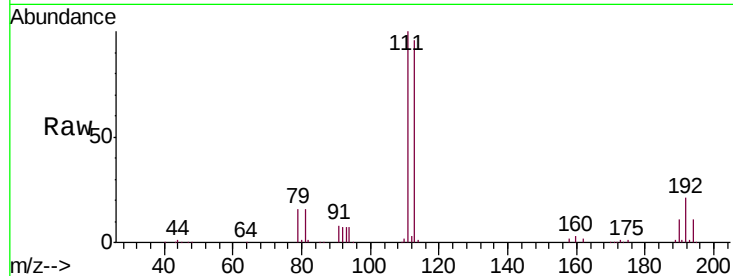




#35
 Dibromofluoromethane
 Concen: 46.99 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050197.D
 Acq: 30 Jul 2018 19:17

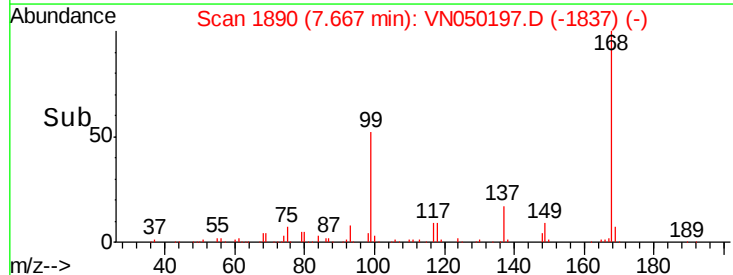
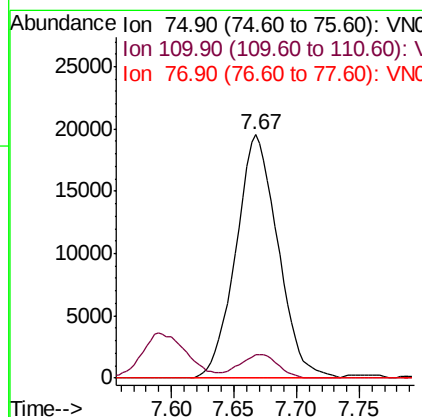
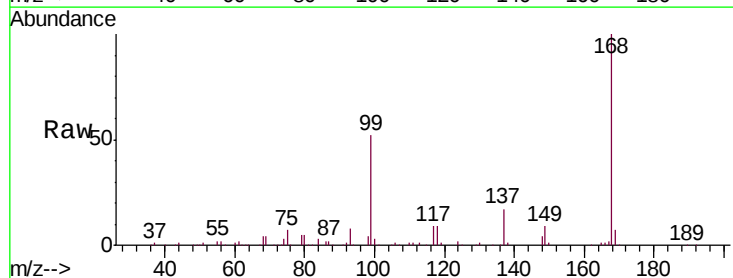
Instrument :
 MSVOA_N
 ClientSampleId :
 ECMW-01

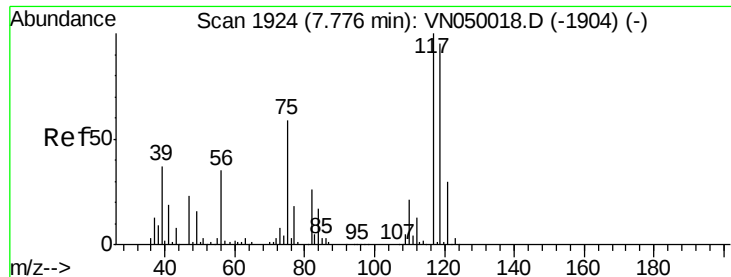
Tot Ion:113 Resp: 413831
 Ion Ratio Lower Upper
 113 100
 111 102.6 80.7 121.1
 192 22.1 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.75 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050197.D
 Acq: 30 Jul 2018 19:17

Tgt Ion: 75 Resp: 45517
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.4 55.2#
 77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 4.63 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.11 min

Lab File: VN050197.D

Acq: 30 Jul 2018 19:17

Instrument :

MSVOA_N

ClientSampled :

ECMW-01

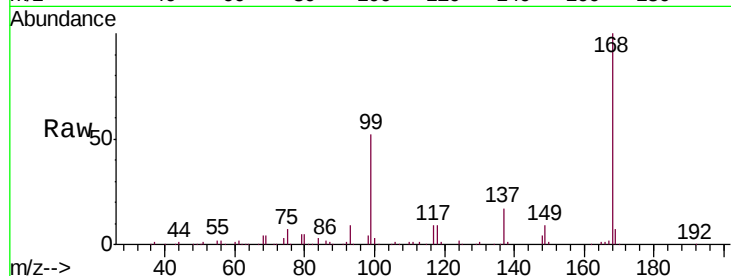
Tot Ion:117 Resp: 59653

Ion Ratio Lower Upper

117 100

119 6.2 77.4 116.0#

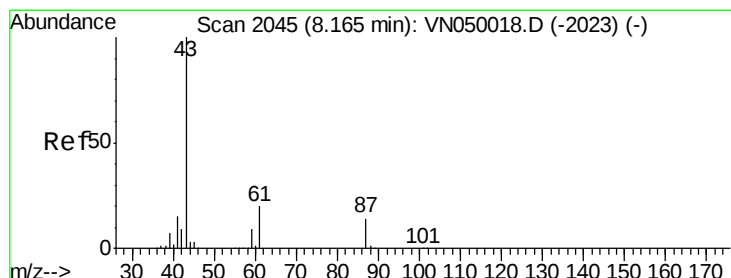
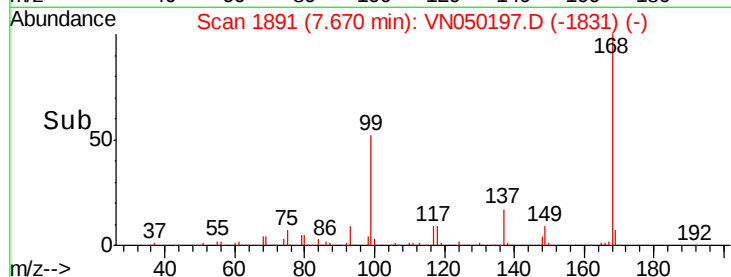
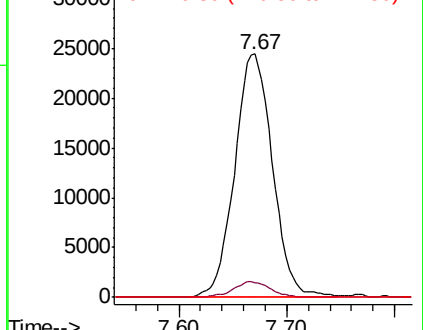
121 0.0 23.9 35.9#



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: 10.81 ug/l

RT: 8.24 min Scan# 2067

Delta R.T. 0.07 min

Lab File: VN050197.D

Acq: 30 Jul 2018 19:17

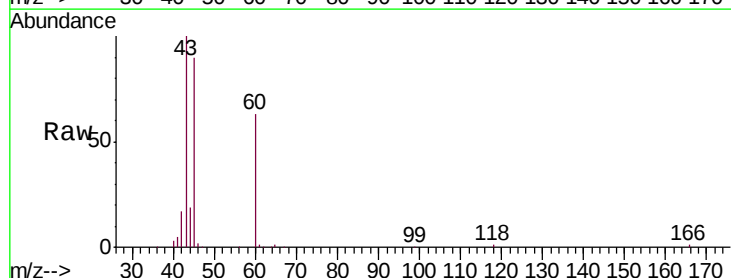
Tgt Ion: 43 Resp: 186847

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.6#

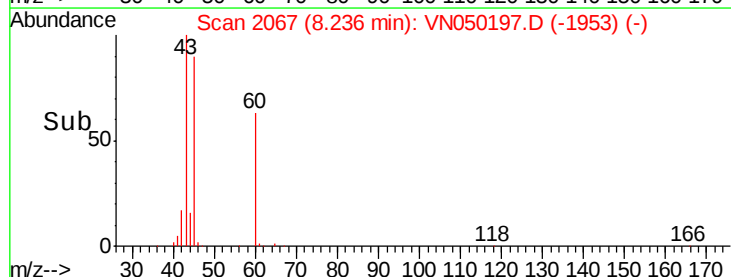
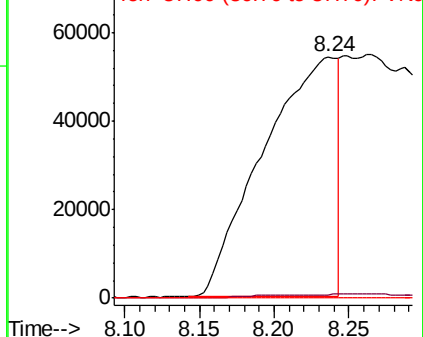
87 0.0 10.3 15.5#

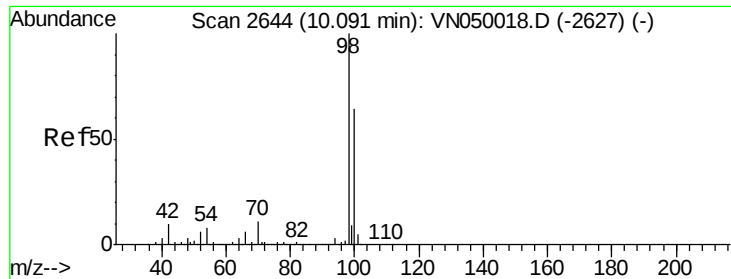


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

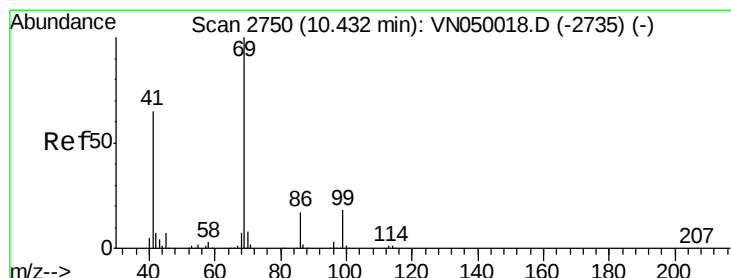
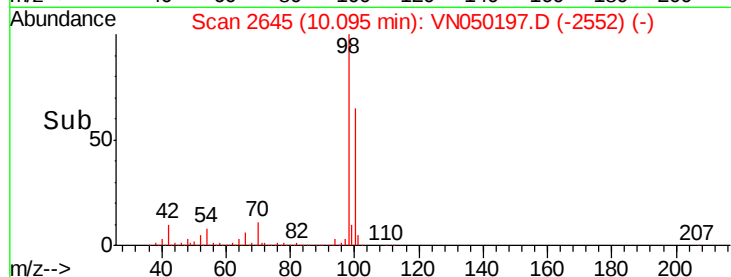
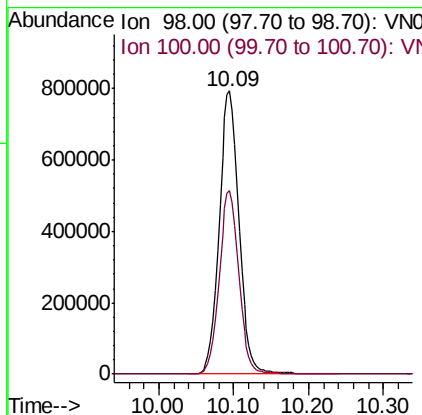
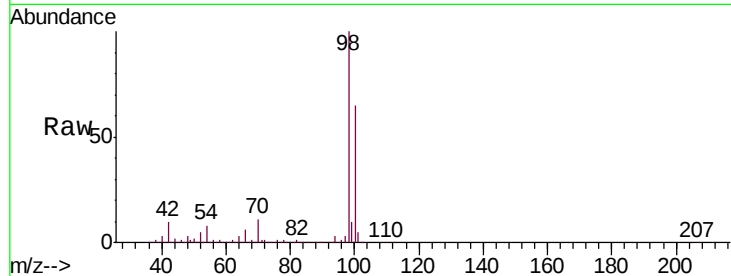




#50
Toluene-d8
Concen: 44.88 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050197.D
Acq: 30 Jul 2018 19:17

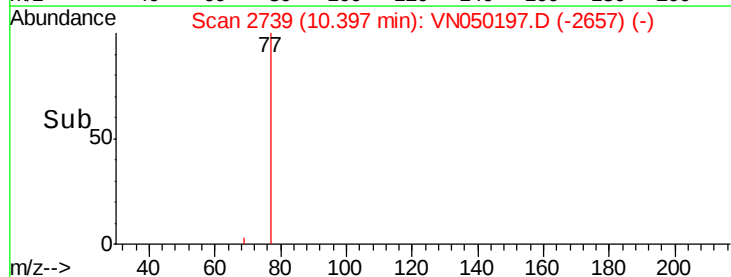
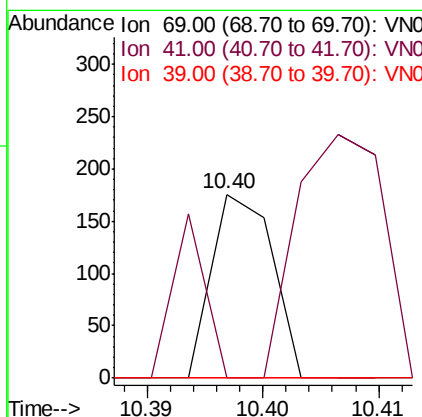
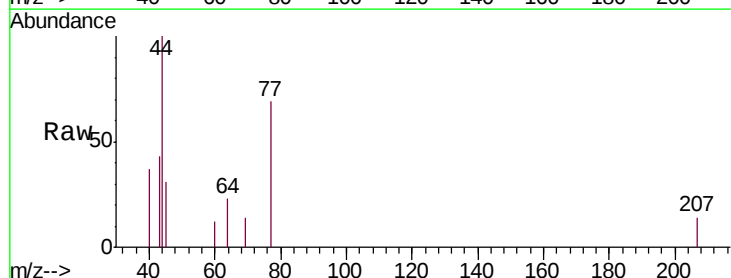
Instrument :
MSVOA_N
ClientSampleId :
ECMW-01

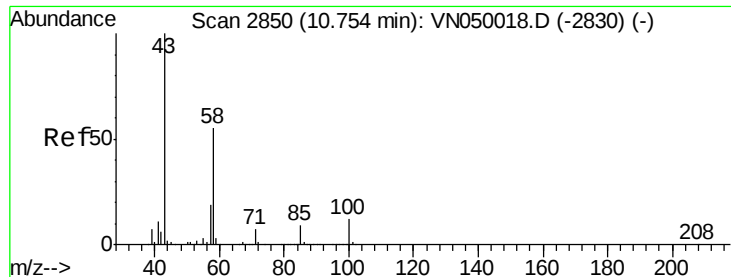
Tot Ion: 98 Resp: 1452879
Ion Ratio Lower Upper
98 100
100 64.2 50.7 76.1



#56
Ethyl methacrylate
Concen: 2.04 ug/l
RT: 10.40 min Scan# 2739
Delta R.T. -0.04 min
Lab File: VN050197.D
Acq: 30 Jul 2018 19:17

Tgt Ion: 69 Resp: 63
Ion Ratio Lower Upper
69 100
41 47.6 51.0 76.4#
39 0.0 26.6 40.0#

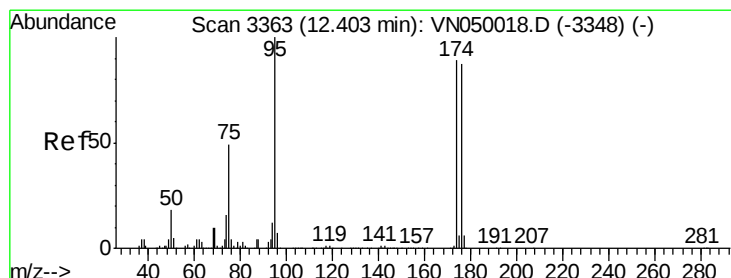
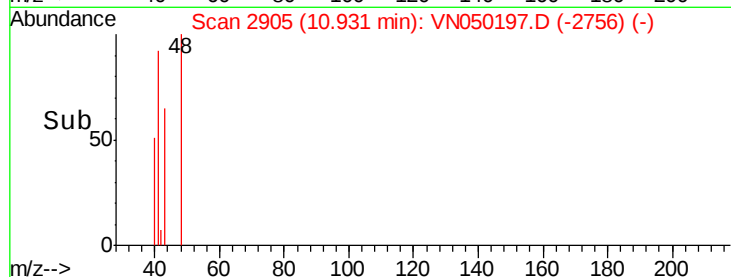
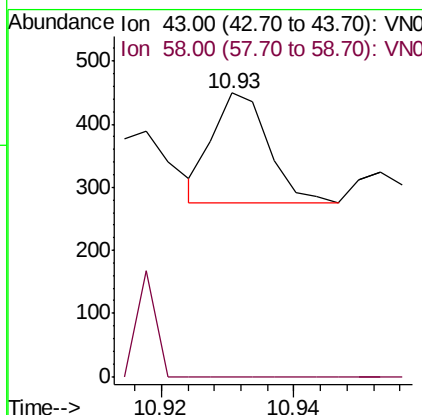
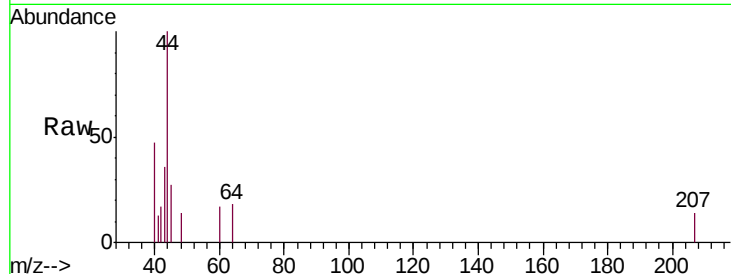




#59
2-Hexanone
Concen: 5.19 ug/l
RT: 10.93 min Scan# 2905
Delta R.T. 0.18 min
Lab File: VN050197.D
Acq: 30 Jul 2018 19:17

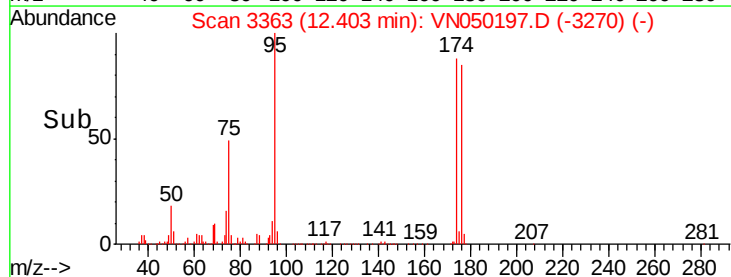
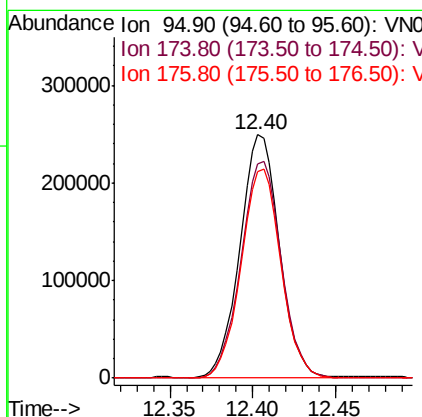
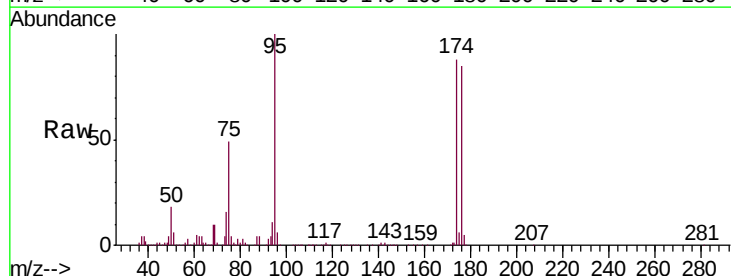
Instrument :
MSVOA_N
ClientSampled :
ECMW-01

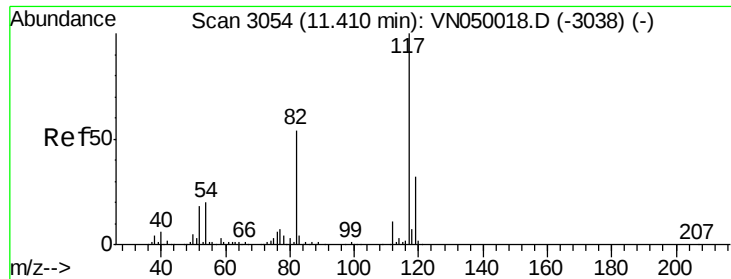
Tot Ion: 43 Resp: 102
Ion Ratio Lower Upper
43 100
58 31.4 27.6 82.7



#62
4-Bromofluorobenzene
Concen: 38.56 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050197.D
Acq: 30 Jul 2018 19:17

Tgt Ion: 95 Resp: 411021
Ion Ratio Lower Upper
95 100
174 91.6 0.0 178.2
176 87.3 0.0 173.4

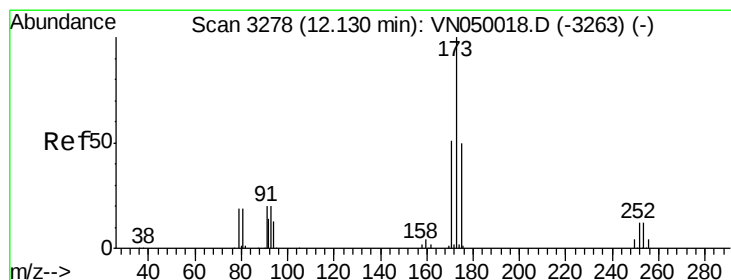
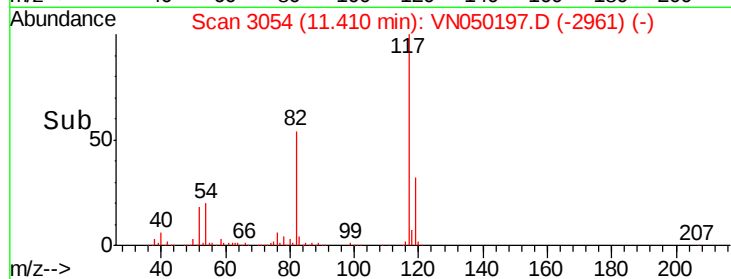
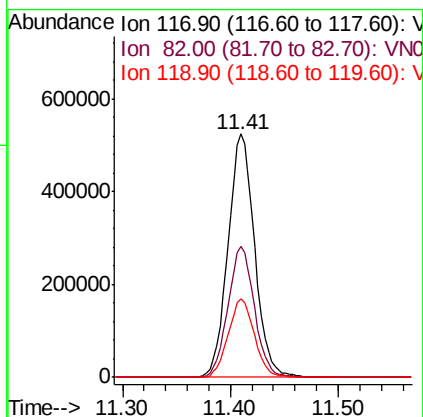
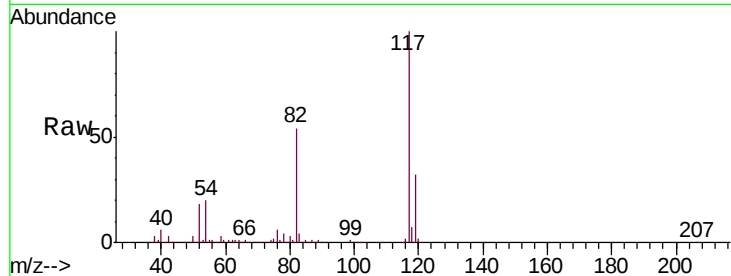




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050197.D
Acq: 30 Jul 2018 19:17

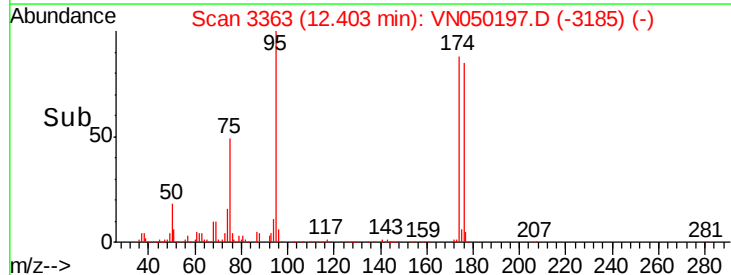
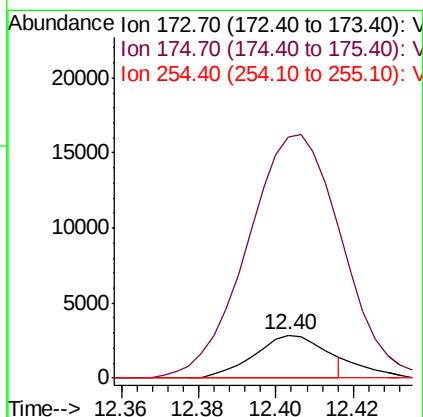
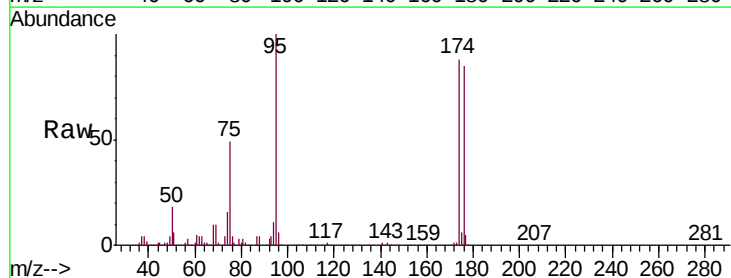
Instrument :
MSVOA_N
ClientSampleId :
ECMW-01

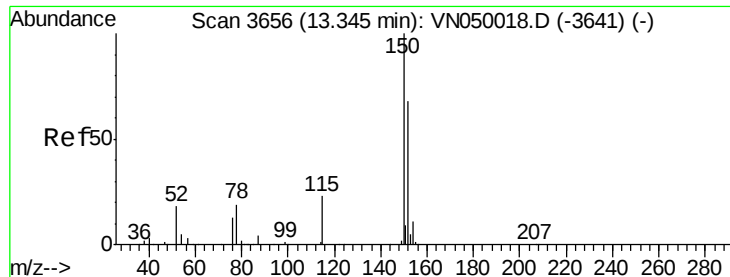
Tot Ion:117 Resp: 900456
Ion Ratio Lower Upper
117 100
82 53.6 43.7 65.5
119 32.0 26.1 39.1



#71
Bromoform
Concen: 0.57 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.27 min
Lab File: VN050197.D
Acq: 30 Jul 2018 19:17

Tgt Ion:173 Resp: 3647
Ion Ratio Lower Upper
173 100
175 662.9 24.1 72.2#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050197.D

Acq: 30 Jul 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

ECMW-01

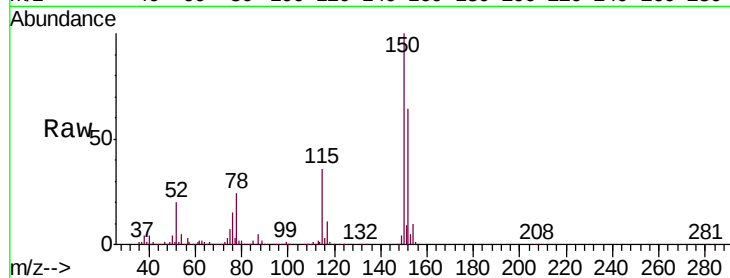
Tot Ion:152 Resp: 340782

Ion Ratio Lower Upper

152 100

115 56.5 27.8 83.3

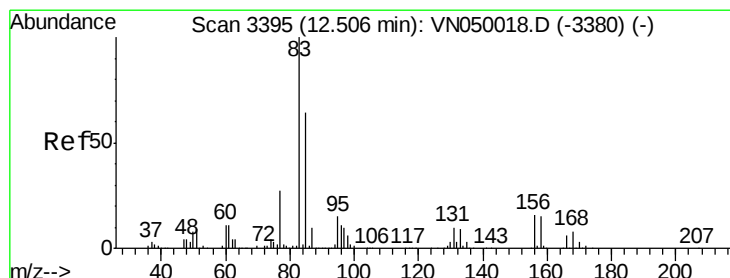
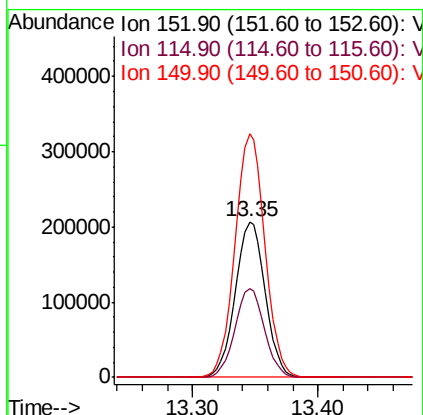
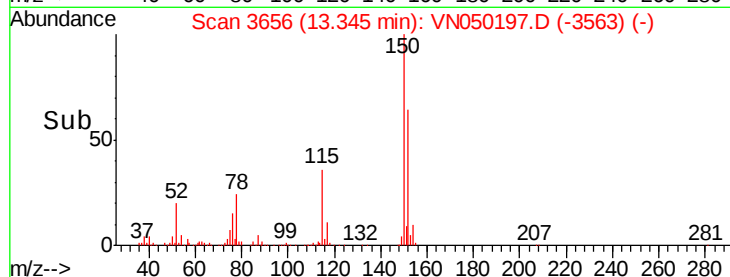
150 156.8 0.0 348.6



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: 12.55 min Scan# 3410

Delta R.T. 0.05 min

Lab File: VN050197.D

Acq: 30 Jul 2018 19:17

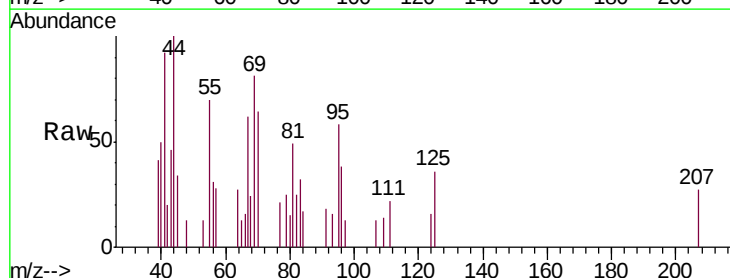
Tgt Ion: 83 Resp: 466

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

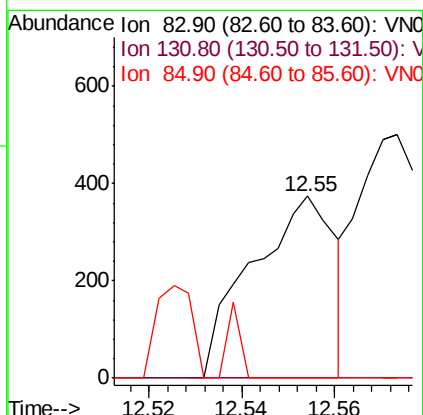
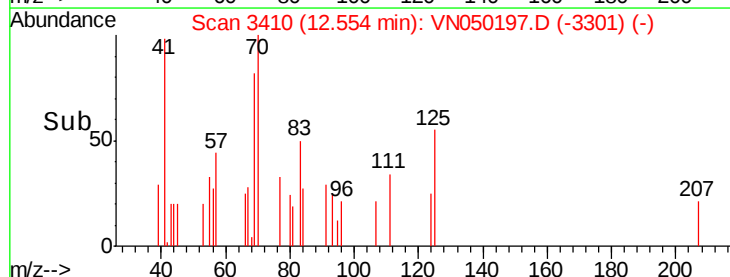
85 6.4 32.3 96.8#

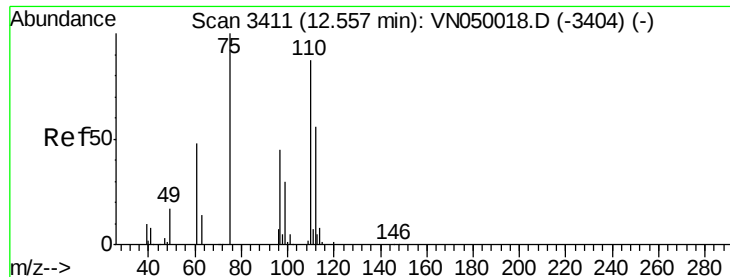


Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VNO





#76

1,2,3-Trichloropropane

Concen: 31.65 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050197.D

Acq: 30 Jul 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

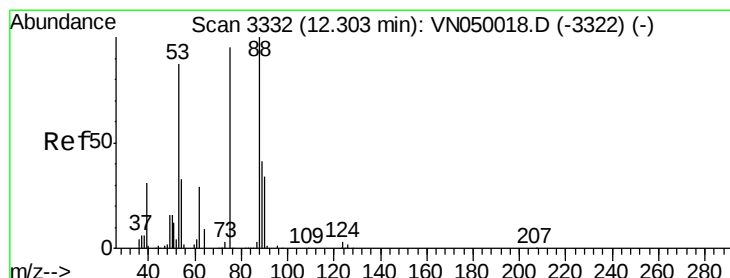
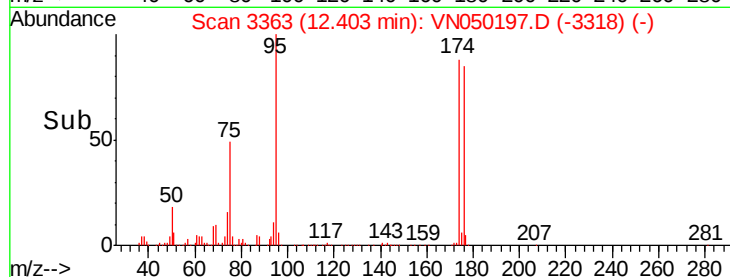
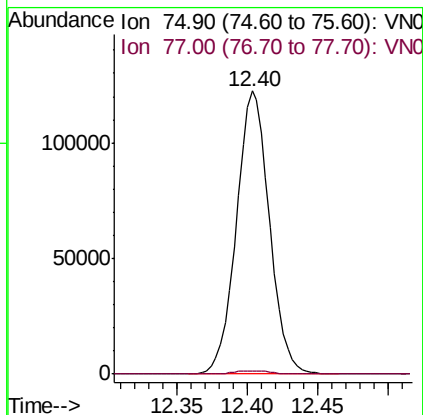
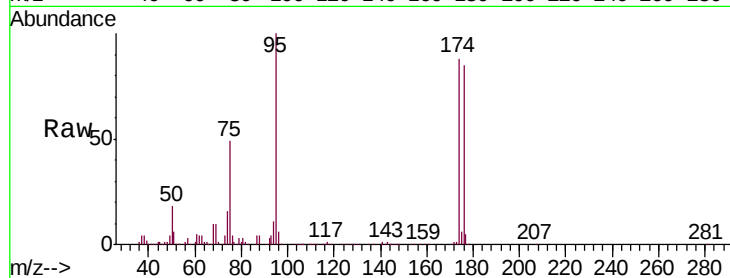
ECMW-01

Tot Ion: 75 Resp: 200457

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 100.39 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050197.D

Acq: 30 Jul 2018 19:17

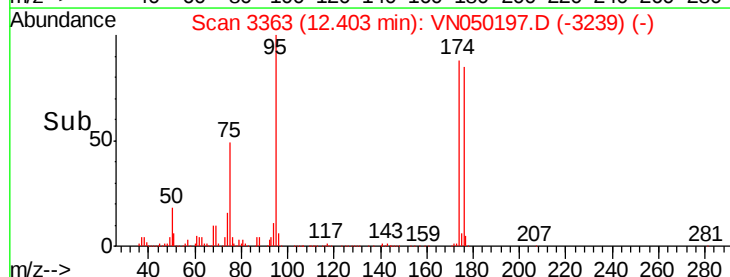
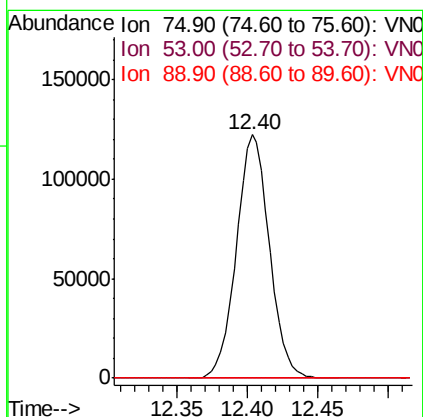
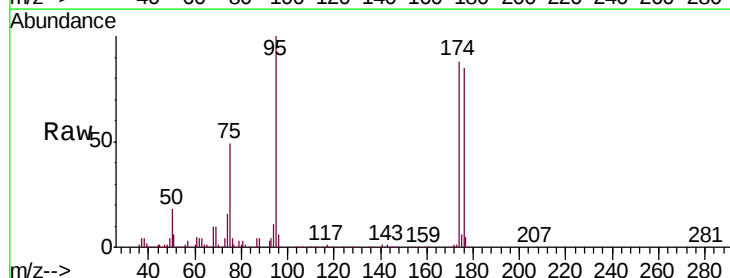
Tgt Ion: 75 Resp: 200457

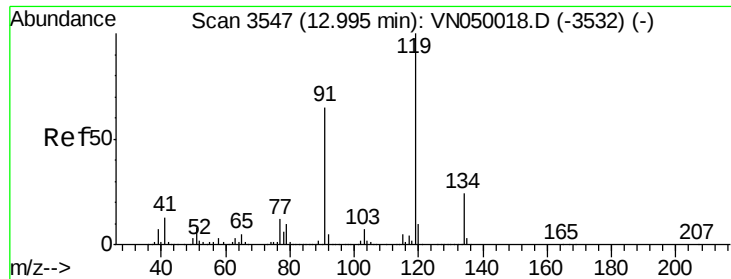
Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

89 0.0 36.0 54.0#

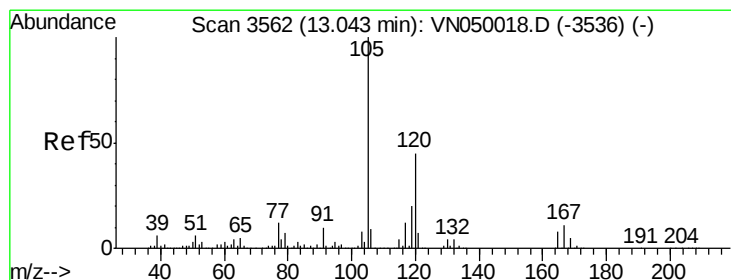
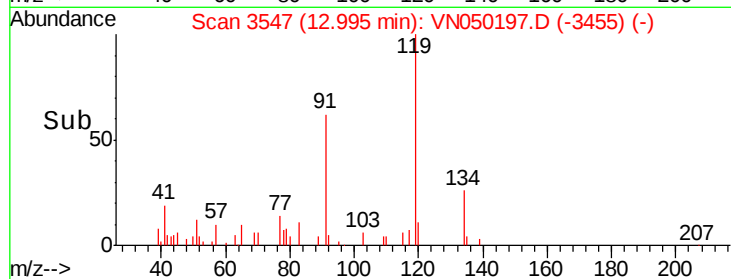
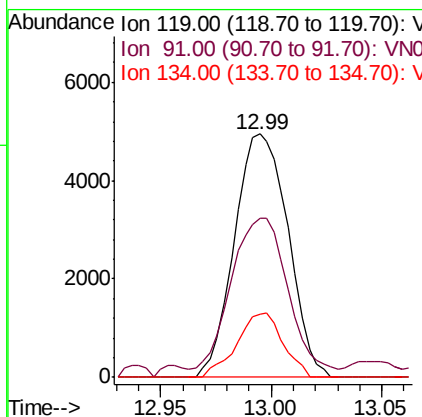
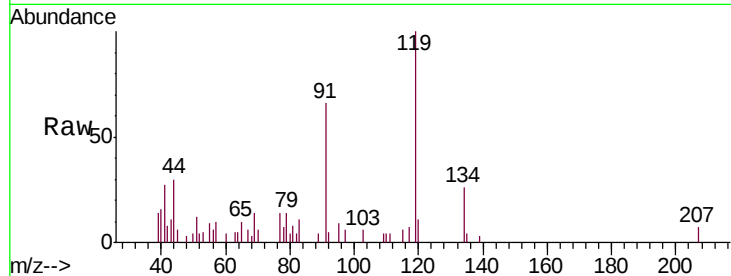




#83
 tert-Butylbenzene
 Concen: 0.46 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050197.D
 Acq: 30 Jul 2018 19:17

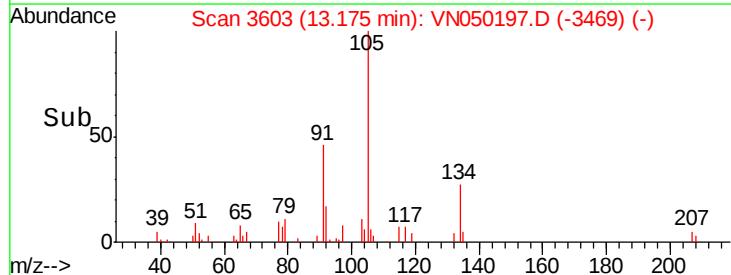
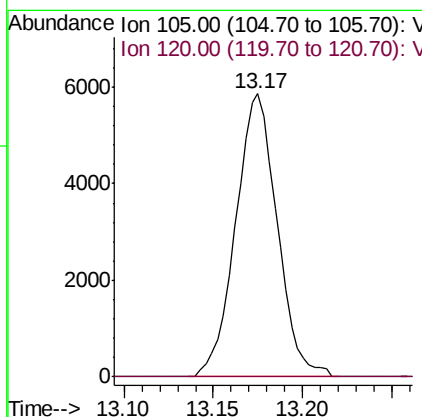
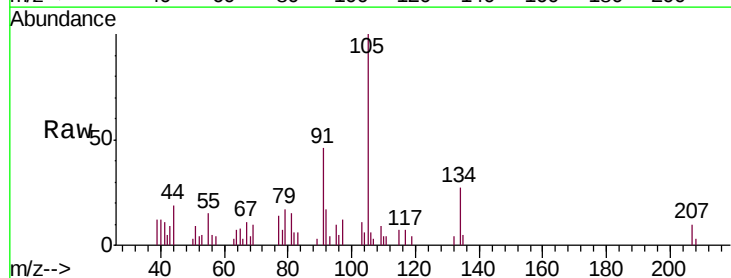
Instrument :
 MSVOA_N
 ClientSampleID :
 ECMW-01

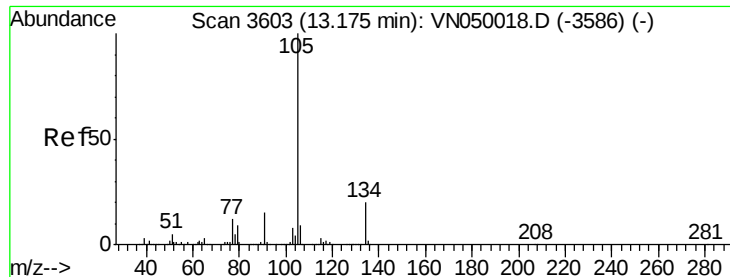
Tot Ion:119 Resp: 8350
 Ion Ratio Lower Upper
 119 100
 91 63.9 32.1 96.3
 134 22.8 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 0.45 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.13 min
 Lab File: VN050197.D
 Acq: 30 Jul 2018 19:17

Tgt Ion:105 Resp: 9495
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.9 68.7#





#85

sec-Butylbenzene

Concen: 0.39 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050197.D

Acq: 30 Jul 2018 19:17

Instrument :

MSVOA_N

ClientSampled :

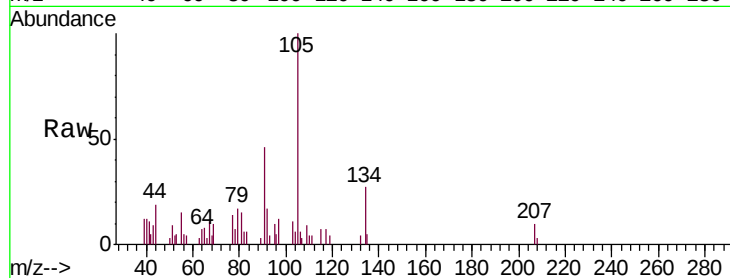
ECMW-01

Tot Ion:105 Resp: 9495

Ion Ratio Lower Upper

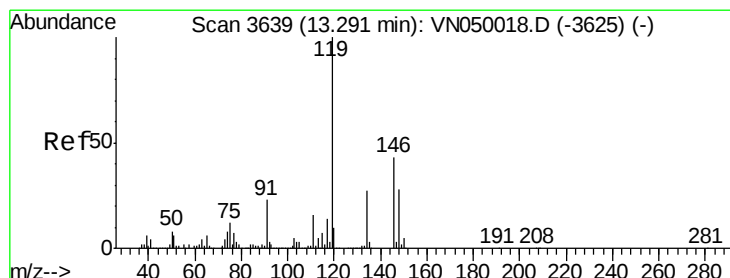
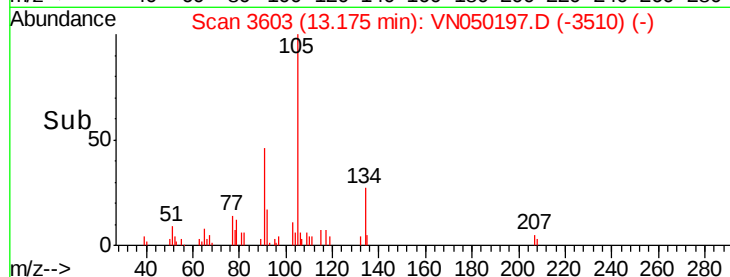
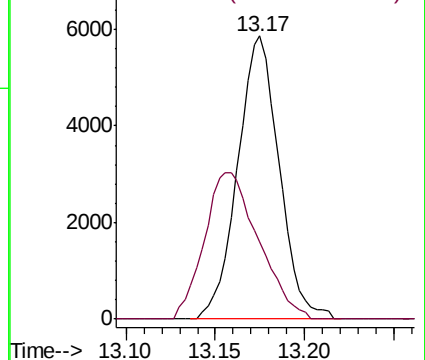
105 100

134 67.2 10.1 30.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.52 ug/l

RT: 13.44 min Scan# 3687

Delta R.T. 0.15 min

Lab File: VN050197.D

Acq: 30 Jul 2018 19:17

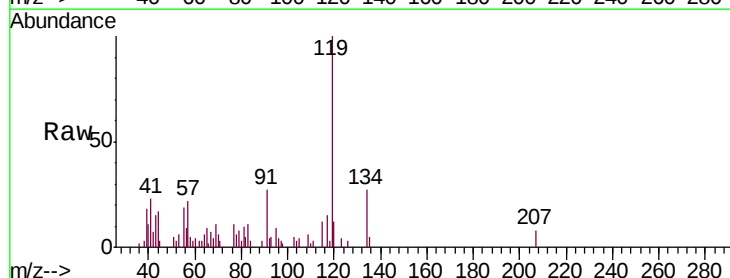
Tgt Ion:119 Resp: 10546

Ion Ratio Lower Upper

119 100

134 28.9 13.3 39.8

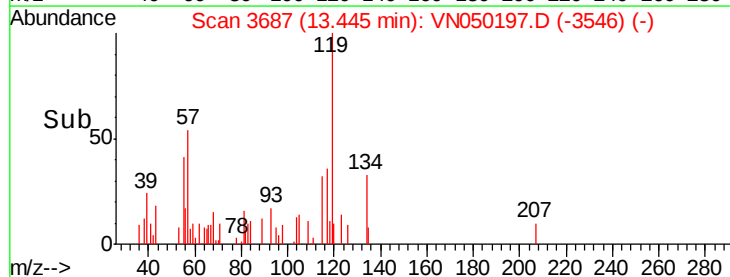
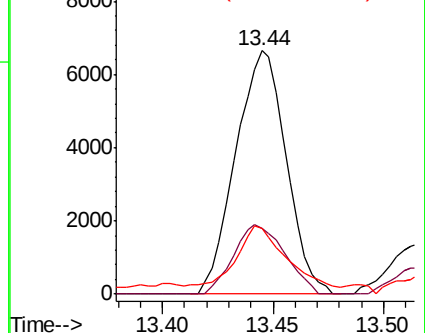
91 23.3 11.4 34.2

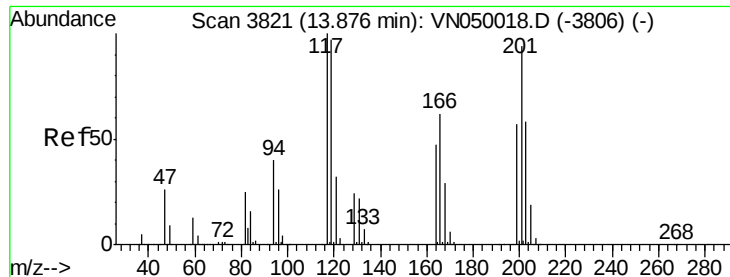


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#90

Hexachloroethane

Concen: 0.25 ua/l

RT: 13.89 min Scan# 3824

Delta R.T. 0.01 min

Lab File: VN050197.D

Acq: 30 Jul 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

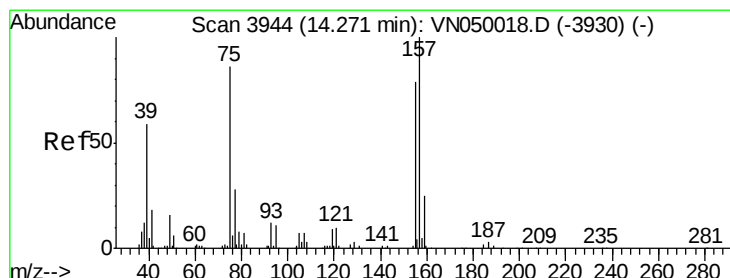
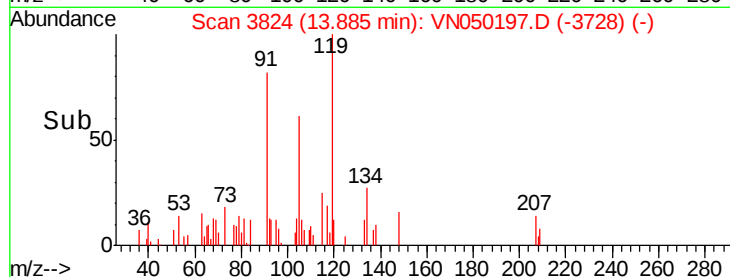
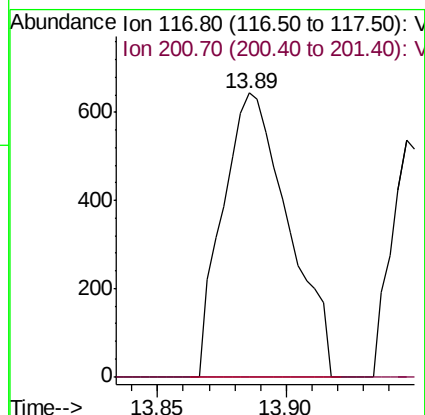
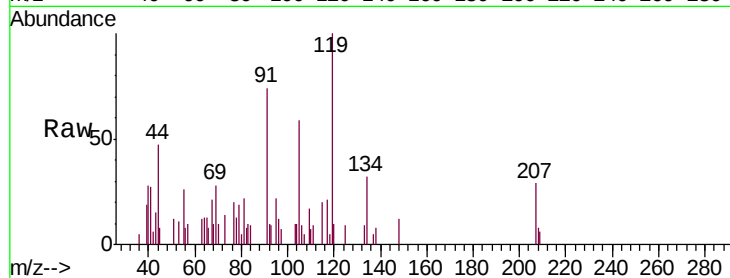
ECMW-01

Tot Ion:117 Resp: 1137

Ion Ratio Lower Upper

117 100

201 0.0 45.6 136.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.21 min Scan# 3925

Delta R.T. -0.06 min

Lab File: VN050197.D

Acq: 30 Jul 2018 19:17

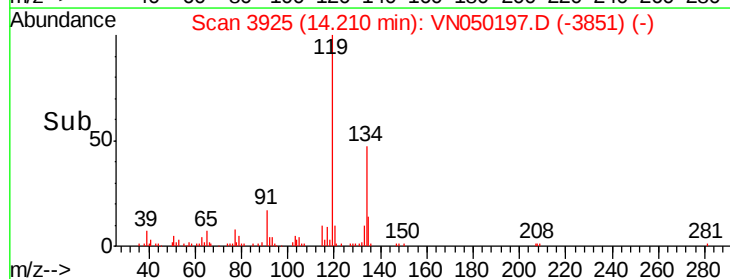
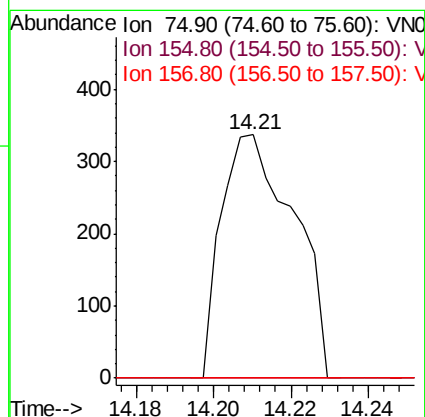
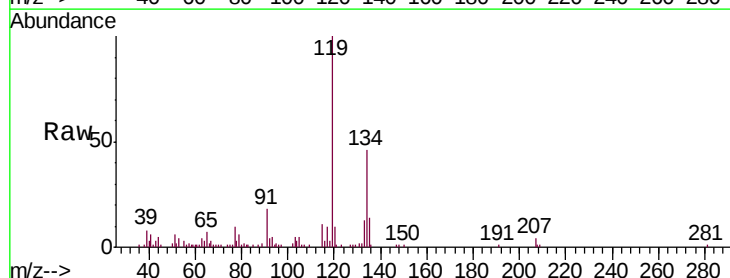
Tgt Ion: 75 Resp: 440

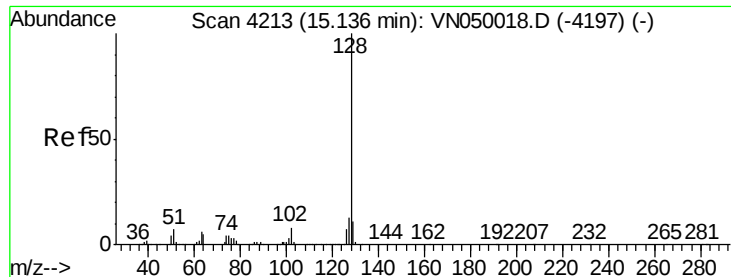
Ion Ratio Lower Upper

75 100

155 0.0 44.8 134.4#

157 0.0 57.2 171.6#





#95
Naphthalene
Concen: 4.52 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050197.D
Acq: 30 Jul 2018 19:17

Instrument :
MSVOA_N
ClientSampleId :
ECMW-01

Tot Ion	Ratio	Lower	Upper
128	100		
127	23.3	10.4	15.6#
129	21.8	8.8	13.2#

