

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073018\
 Data File : VN050196.D
 Acq On : 30 Jul 2018 18:52
 Operator : MD\SY
 Sample : J4221-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ECMW-02

Quant Time: Jul 31 01:14:12 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	651680	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1062805	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	848337	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	265298	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	462487	50.86	ug/l	0.00
Spiked Amount			Recovery	=	101.72%	
35) Dibromofluoromethane	7.60	113	407932	47.01	ug/l	0.00
Spiked Amount			Recovery	=	94.02%	
50) Toluene-d8	10.09	98	1426910	44.73	ug/l	0.00
Spiked Amount			Recovery	=	89.46%	
62) 4-Bromofluorobenzene	12.40	95	362541	34.51	ug/l	0.00
Spiked Amount			Recovery	=	69.02%	

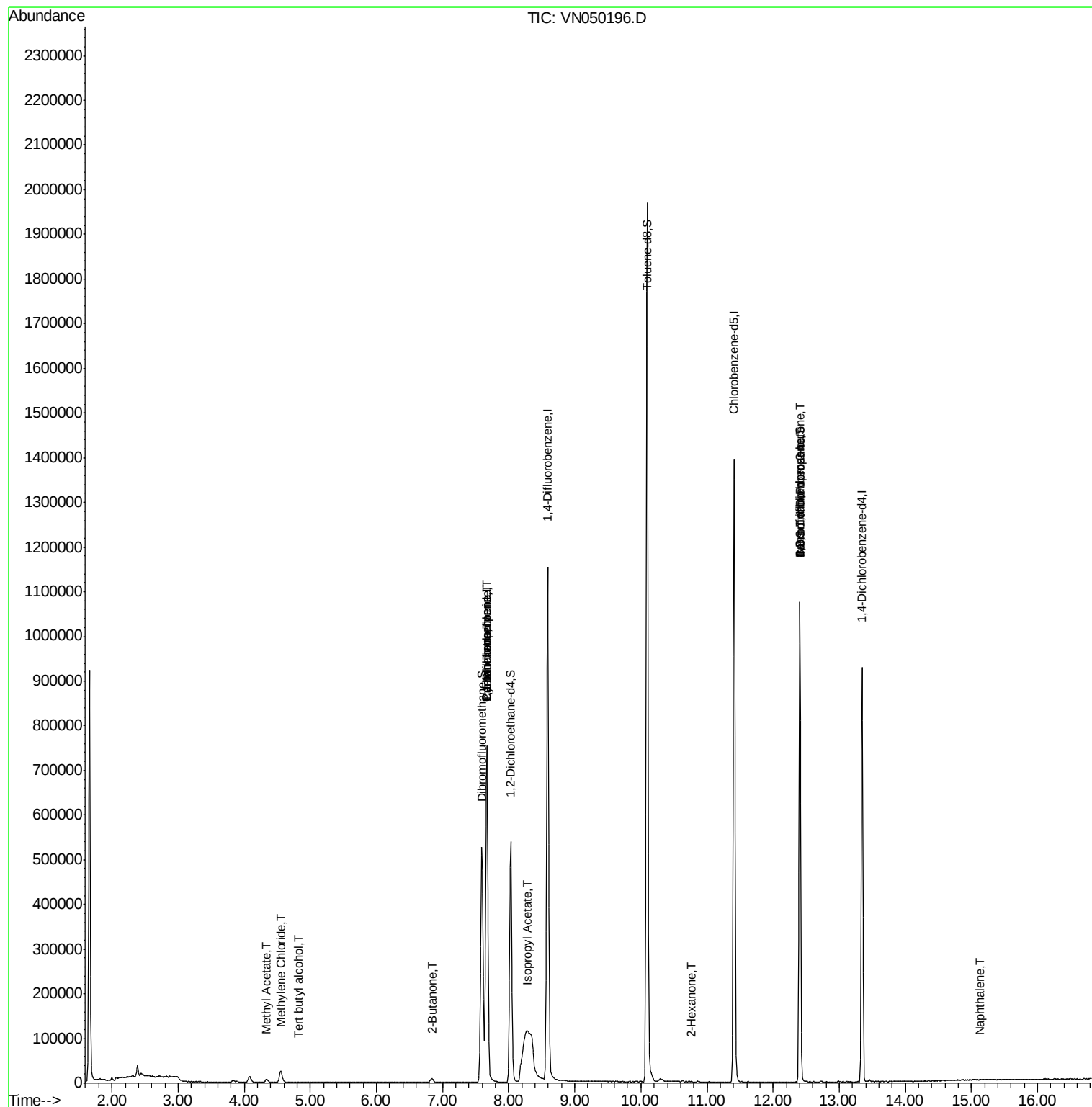
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	156	Below Cal	#	3
11) Tert butyl alcohol	4.82	59	217	0.32	ug/l #	72
18) Methyl Acetate	4.33	43	15864	0.28	ug/l	90
20) Methylene Chloride	4.55	84	19560	1.20	ug/l	91
25) 2-Butanone	6.84	43	905	0.26	ug/l #	48
31) Cyclohexane	7.67	56	12354	0.92	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	46040	3.85	ug/l #	48
38) Carbon Tetrachloride	7.67	117	57852	4.55	ug/l #	16
43) Isopropyl Acetate	8.28	43	295760	18.07	ug/l #	61
59) 2-Hexanone	10.76	43	127	5.19	ug/l #	24
71) Bromoform	12.40	173	3695	0.62	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.40	83	288	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	174883	35.47	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	174883	112.51	ug/l #	13
95) Naphthalene	15.14	128	1219	4.51	ug/l #	76

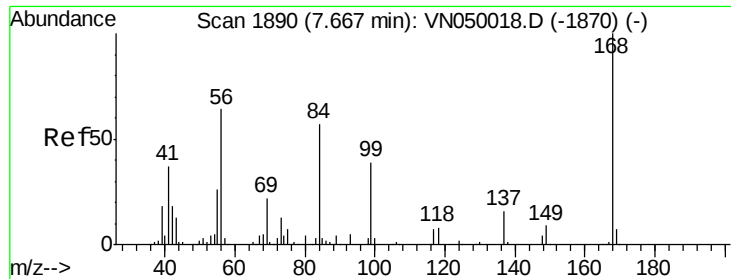
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050196.D

Acq: 30 Jul 2018 18:52

Instrument :

MSVOA_N

ClientSampleId :

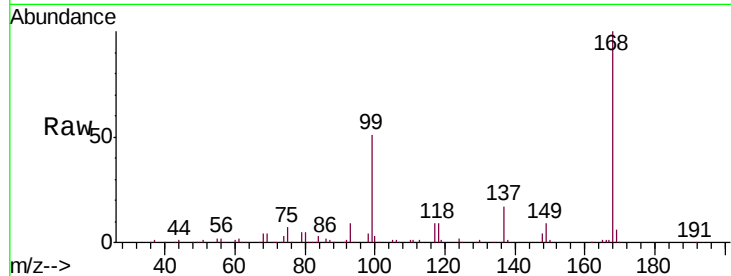
ECMW-02

Tot Ion:168 Resp: 651680

Ion Ratio Lower Upper

168 100

99 51.0 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

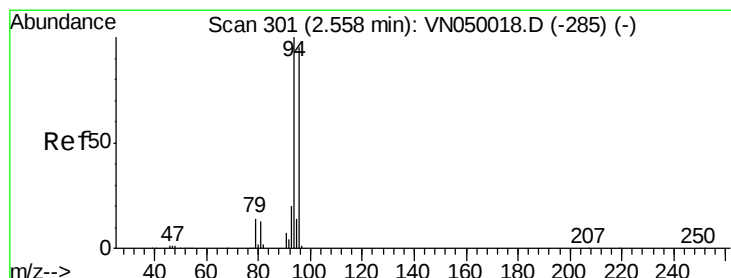
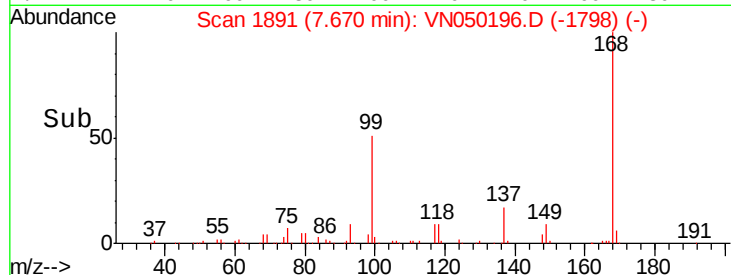
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 297

Delta R.T. -0.01 min

Lab File: VN050196.D

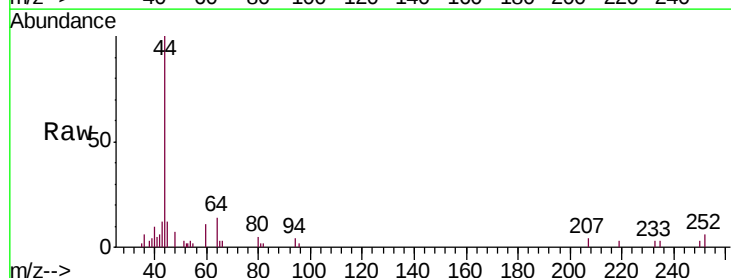
Acq: 30 Jul 2018 18:52

Tgt Ion: 94 Resp: 156

Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.55

300

250

200

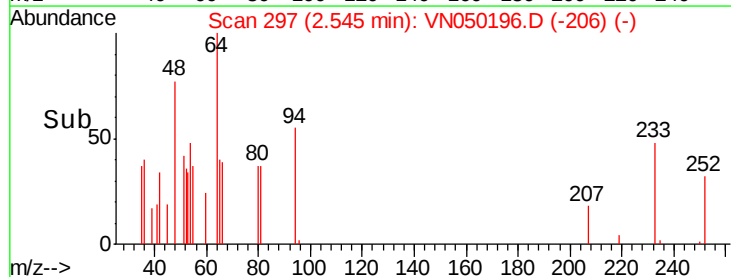
150

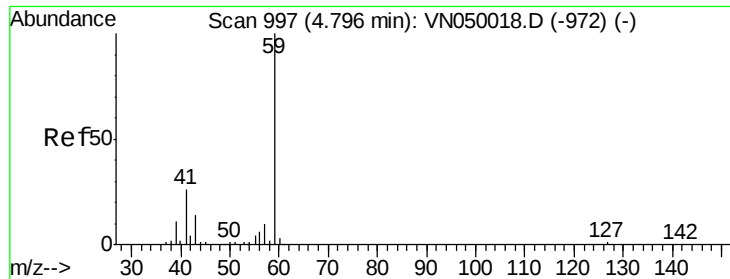
100

50

0

Time-->

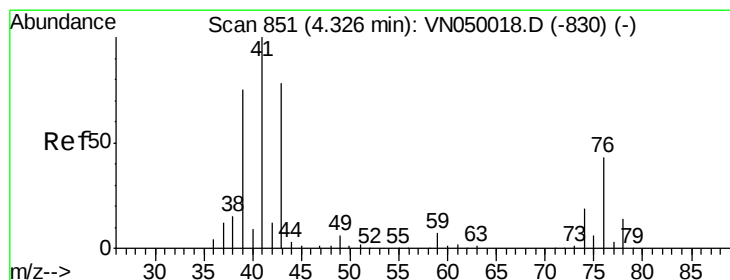
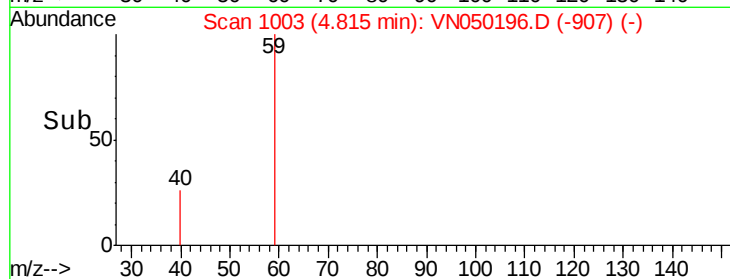
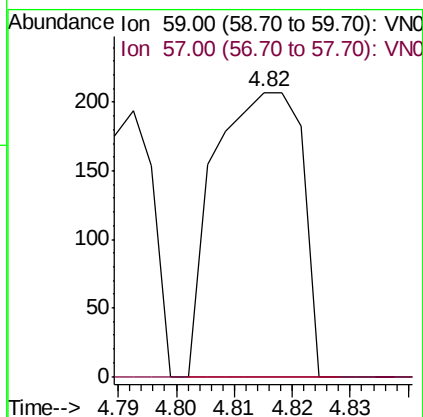
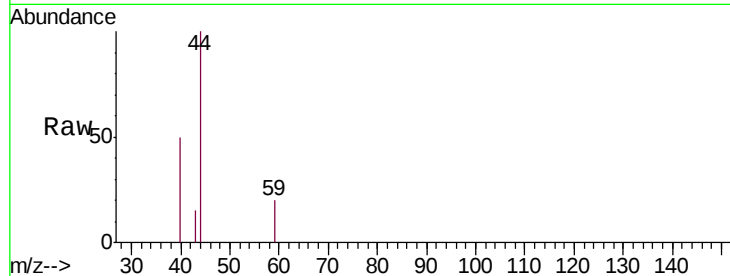




#11
Tert butyl alcohol
Concen: 0.32 ug/l
RT: 4.82 min Scan# 1003
Delta R.T. 0.01 min
Lab File: VN050196.D
Acq: 30 Jul 2018 18:52

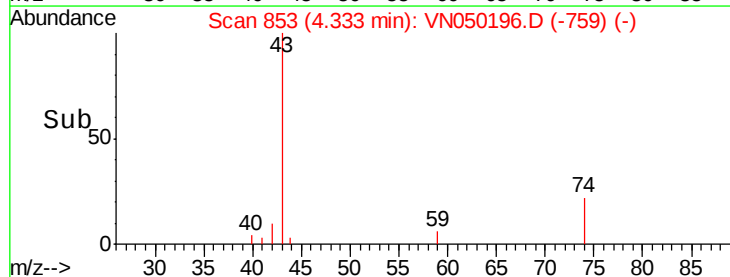
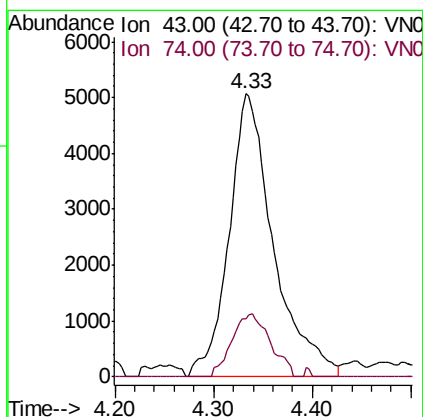
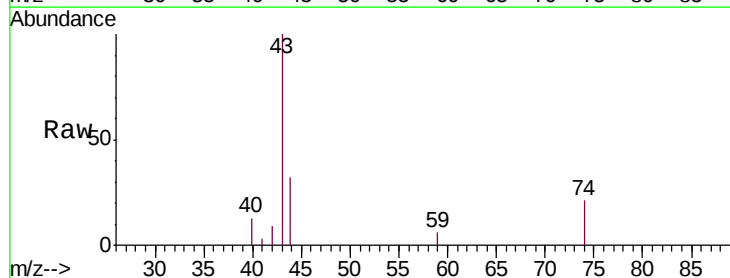
Instrument :
MSVOA_N
ClientSampleId :
ECMW-02

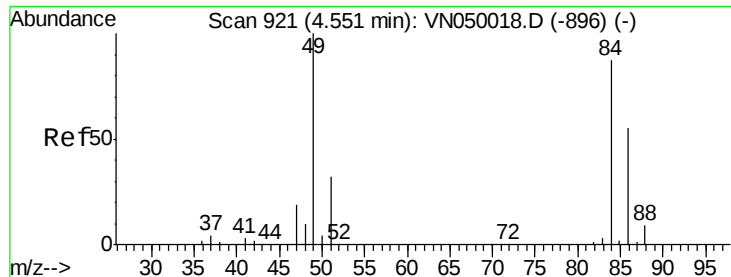
Tot Ion: 59 Resp: 217
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#18
Methyl Acetate
Concen: 0.28 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050196.D
Acq: 30 Jul 2018 18:52

Tgt Ion: 43 Resp: 15864
Ion Ratio Lower Upper
43 100
74 19.2 19.2 28.8

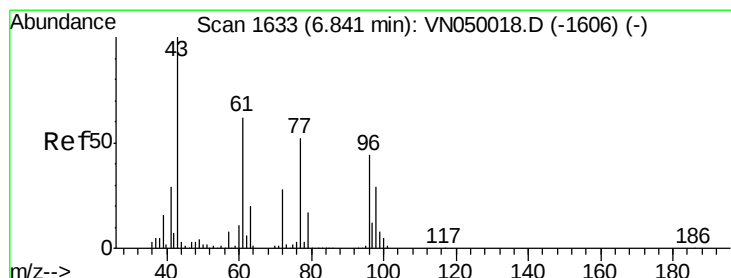
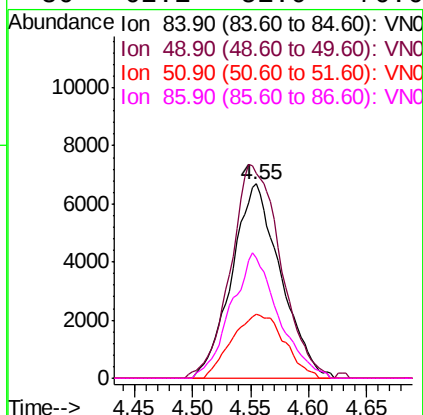
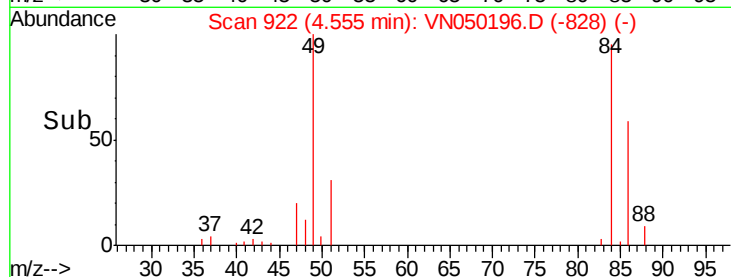
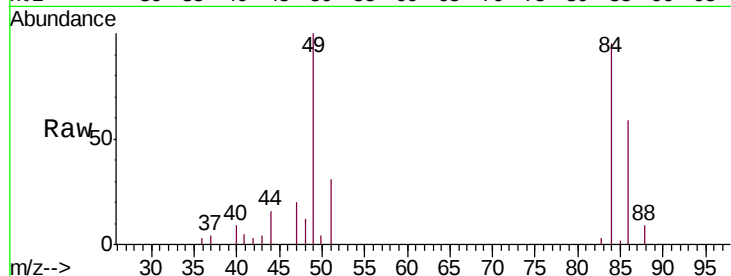




#20
Methvlene Chloride
Concen: 1.20 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050196.D
Acq: 30 Jul 2018 18:52

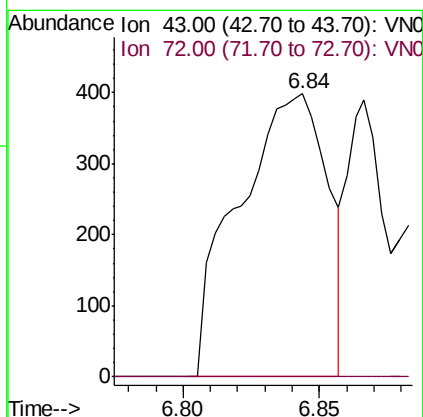
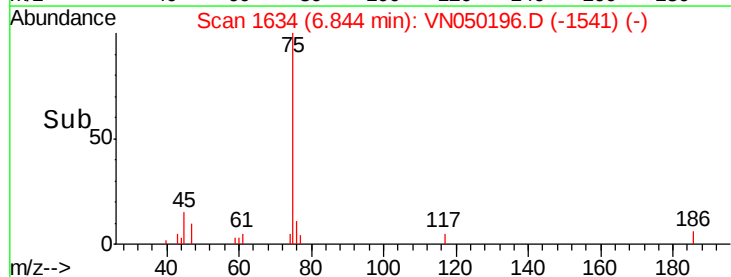
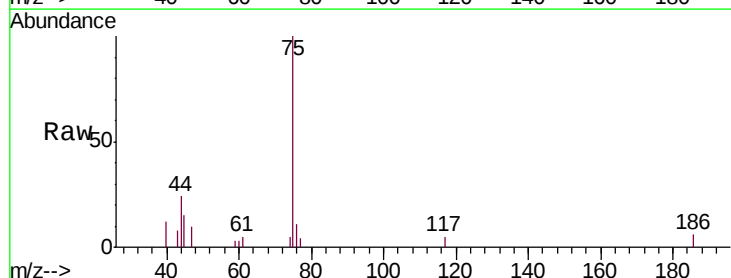
Instrument :
MSVOA_N
ClientSampleId :
ECMW-02

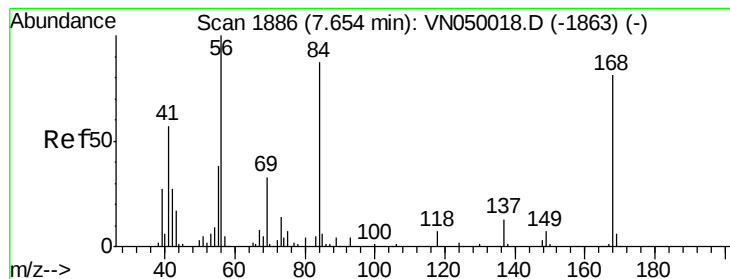
Tot Ion: 84 Resp: 19560
Ion Ratio Lower Upper
84 100
49 103.2 94.8 142.2
51 32.6 28.3 42.5
86 62.1 51.0 76.6



#25
2-Butanone
Concen: 0.26 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN050196.D
Acq: 30 Jul 2018 18:52

Tgt Ion: 43 Resp: 905
Ion Ratio Lower Upper
43 100
72 0.0 21.5 32.3#





#31

Cyclohexane

Concen: 0.92 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VN050196.D

Acq: 30 Jul 2018 18:52

Instrument :

MSVOA_N

ClientSampled :

ECMW-02

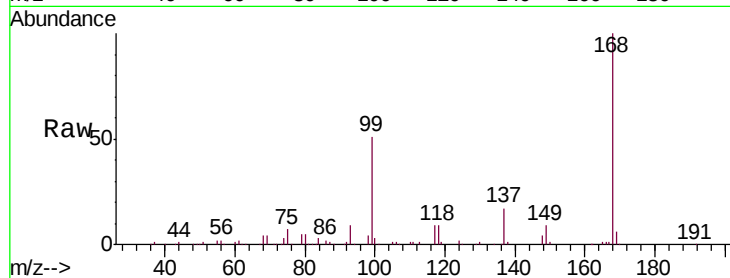
Tot Ion: 56 Resp: 12354

Ion Ratio Lower Upper

56 100

69 181.1 26.2 39.4#

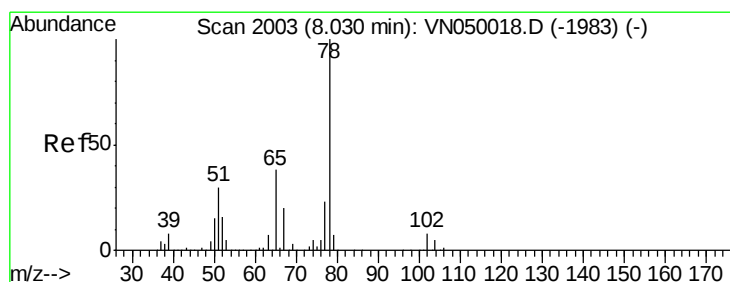
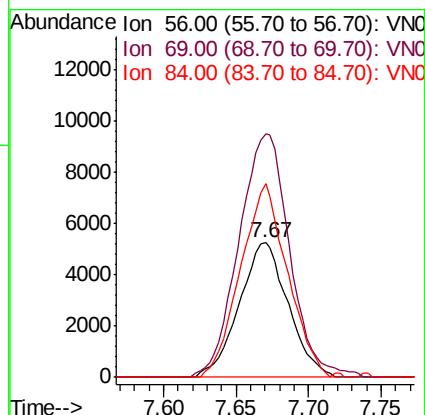
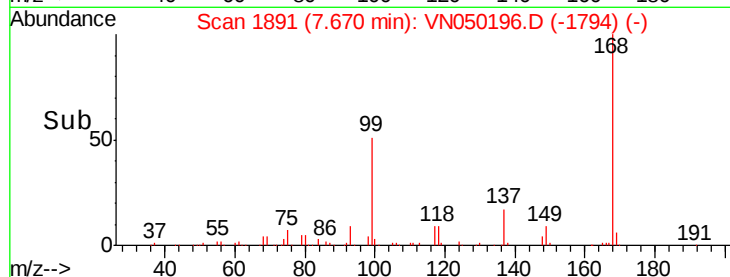
84 144.6 67.4 101.0#



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: 50.86 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050196.D

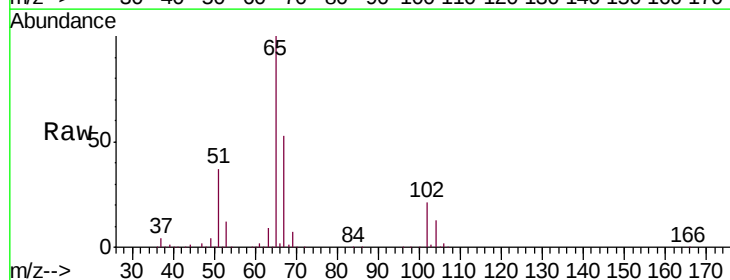
Acq: 30 Jul 2018 18:52

Tgt Ion: 65 Resp: 462487

Ion Ratio Lower Upper

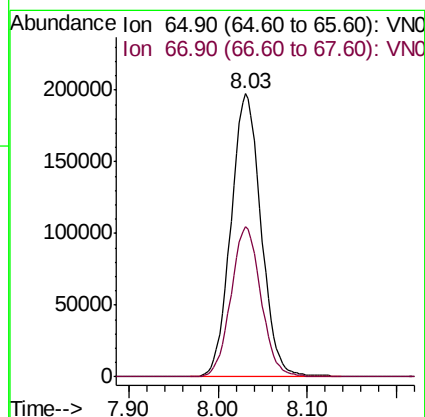
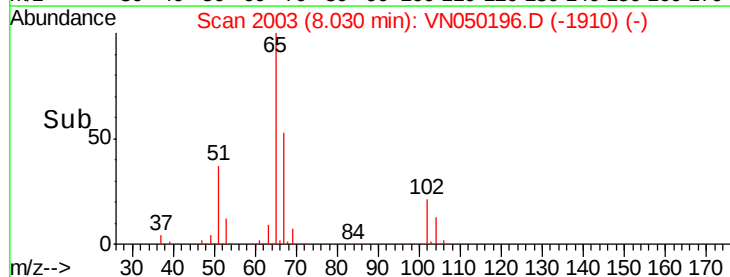
65 100

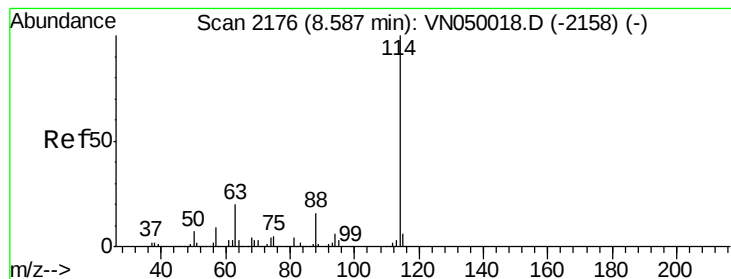
67 52.9 0.0 108.4



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# 2177

Delta R.T. 0.00 min

Lab File: VN050196.D

Acq: 30 Jul 2018 18:52

Instrument :

MSVOA_N

ClientSampleId :

ECMW-02

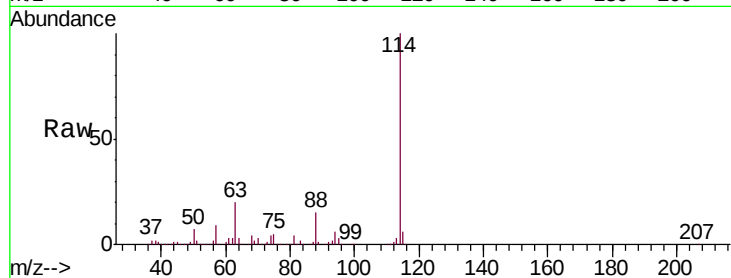
Tot Ion:114 Resp: 1062805

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.0

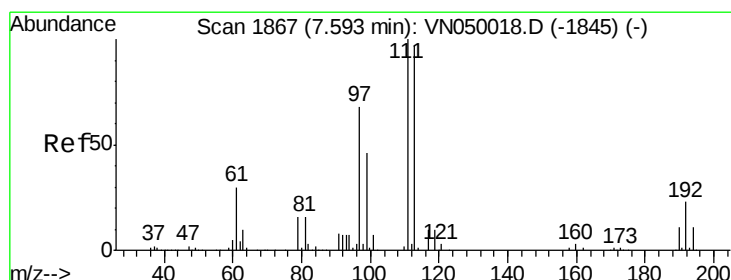
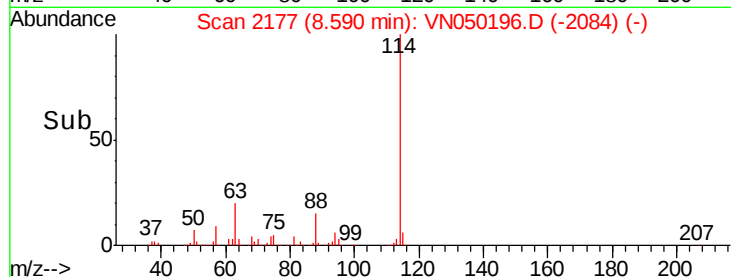
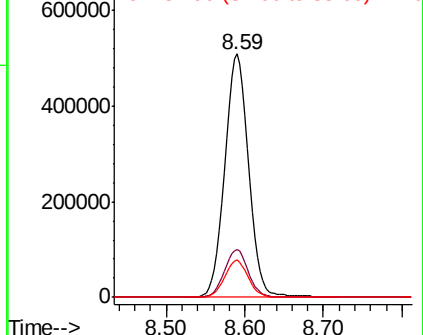
88 15.4 0.0 31.2



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: 47.01 ug/l

RT: 7.60 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VN050196.D

Acq: 30 Jul 2018 18:52

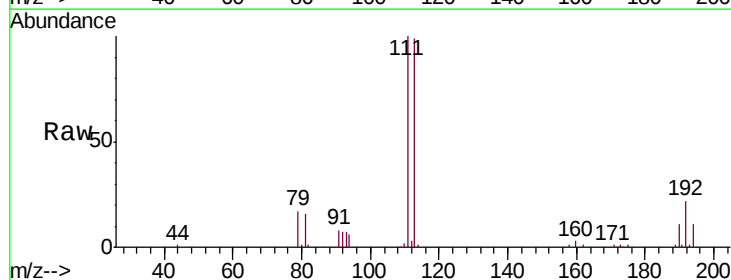
Tgt Ion:113 Resp: 407932

Ion Ratio Lower Upper

113 100

111 102.0 80.7 121.1

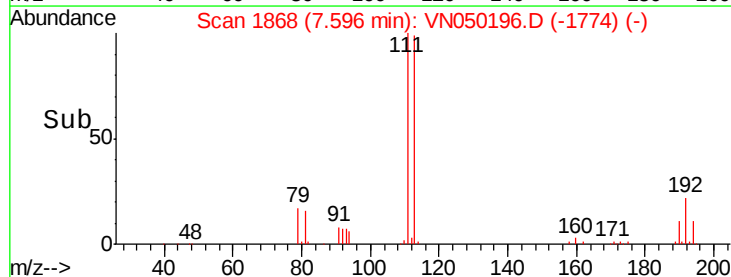
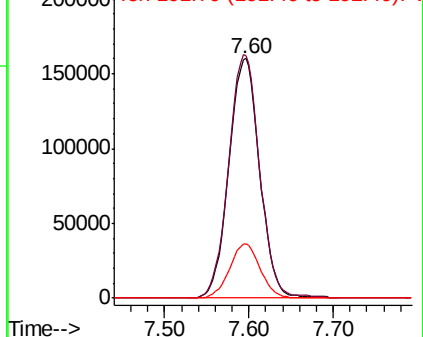
192 22.4 17.8 26.6

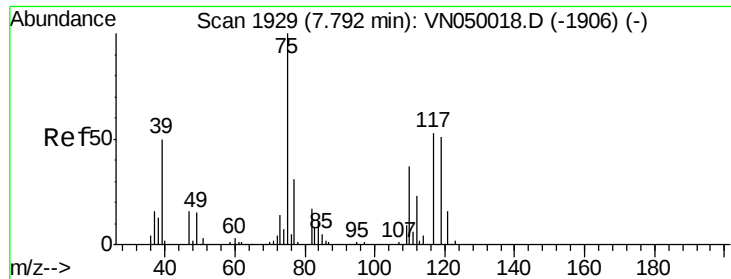


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

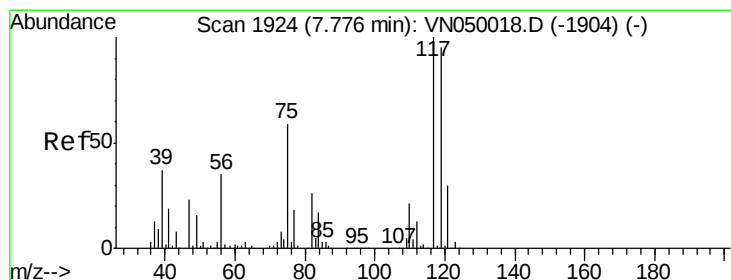
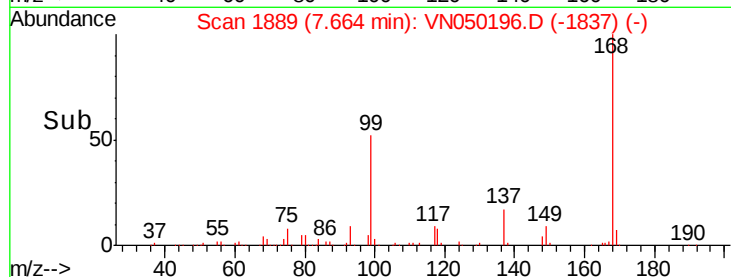
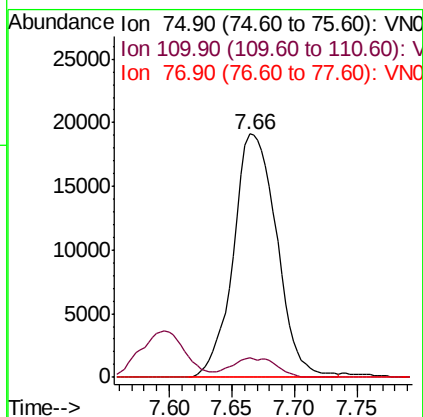
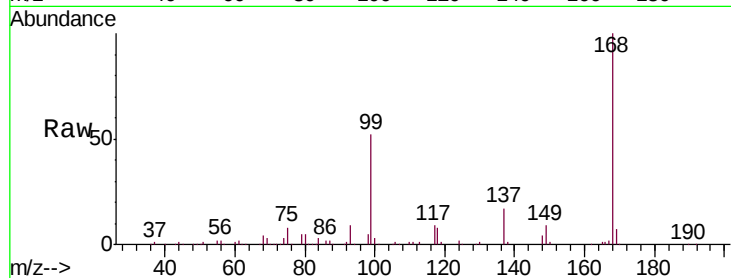




#36
 1,1-Dichloropropene
 Concen: 3.85 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.13 min
 Lab File: VN050196.D
 Acq: 30 Jul 2018 18:52

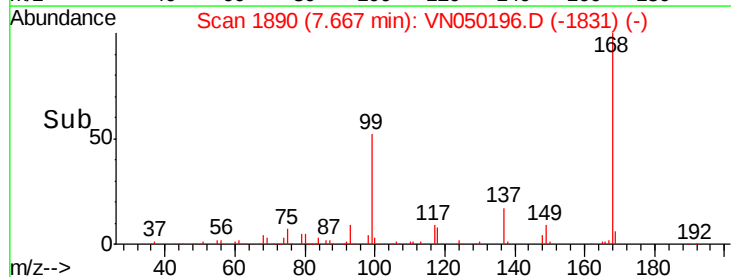
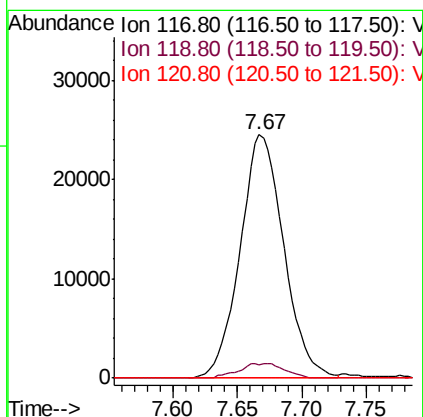
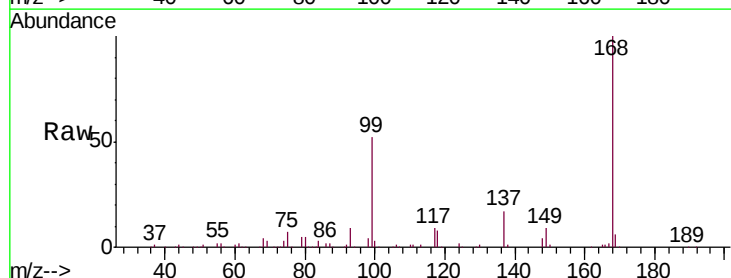
Instrument :
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 ECMW-02

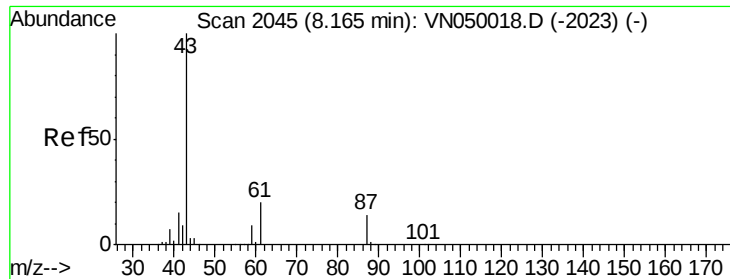
Tot Ion: 75 Resp: 46040
 Ion Ratio Lower Upper
 75 100
 110 8.2 18.4 55.2#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 4.55 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN050196.D
 Acq: 30 Jul 2018 18:52

Tgt Ion: 117 Resp: 57852
 Ion Ratio Lower Upper
 117 100
 119 5.4 77.4 116.0#
 121 0.0 23.9 35.9#



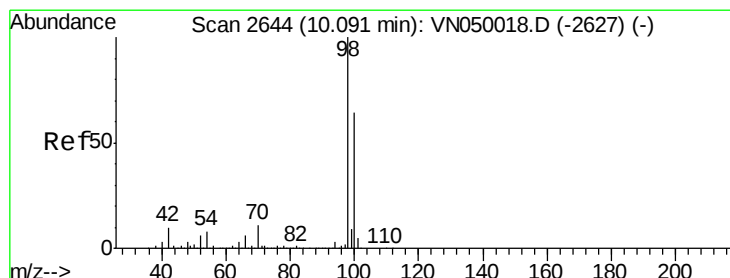
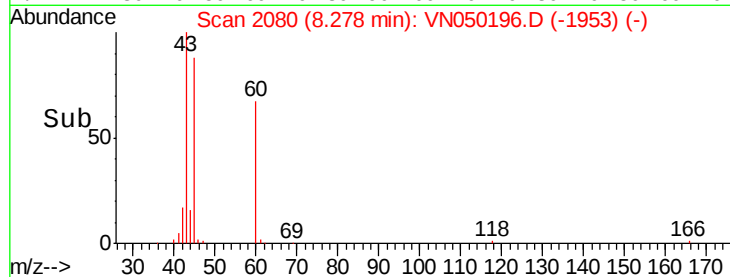
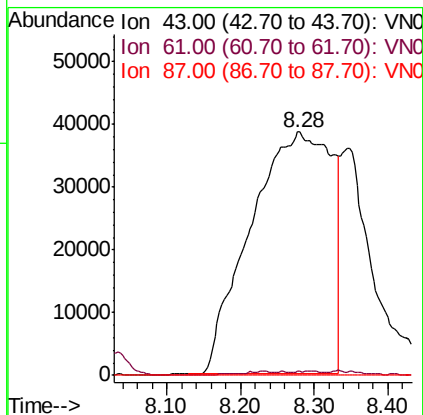
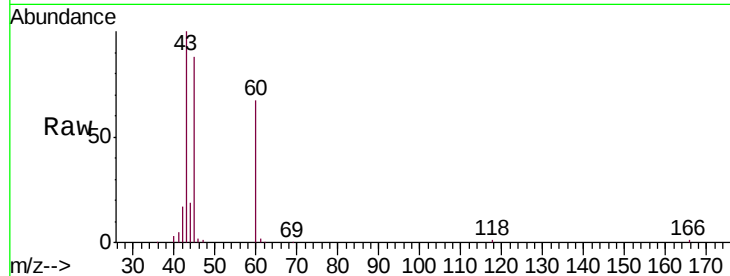


#43

Isopropyl Acetate
 Concen: 18.07 ug/l
 RT: 8.28 min Scan# 2080
 Delta R.T. 0.11 min
 Lab File: VN050196.D
 Acq: 30 Jul 2018 18:52

Instrument :
 MSVOA_N
 ClientSampleId :
 ECMW-02

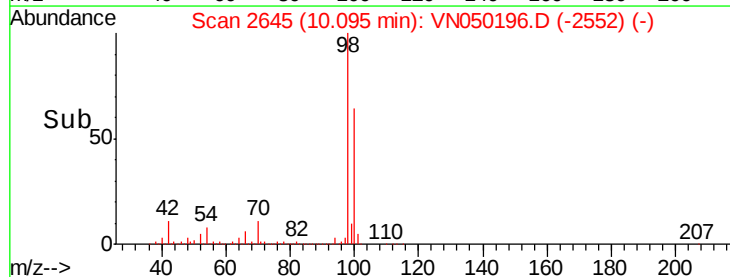
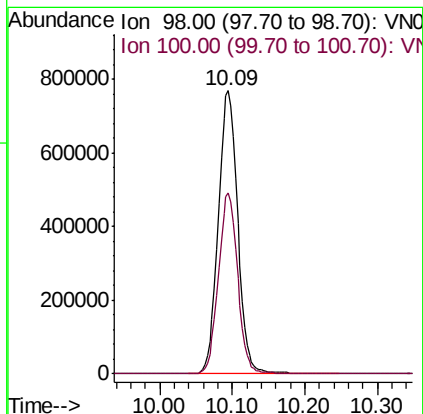
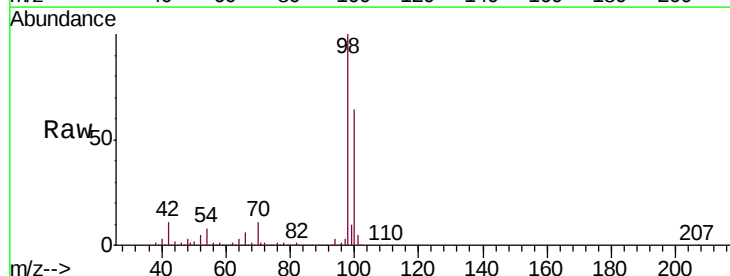
Tot Ion: 43 Resp: 295760
 Ion Ratio Lower Upper
 43 100
 61 0.0 15.8 23.6#
 87 0.0 10.3 15.5#

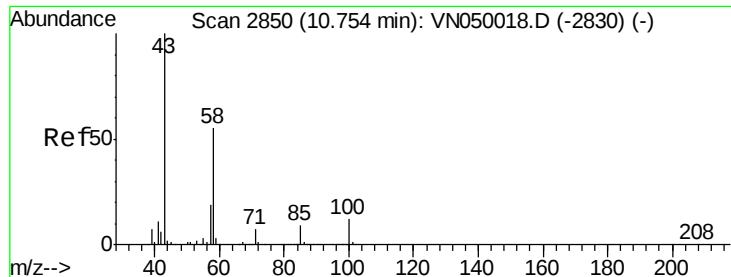


#50

Toluene-d8
 Concen: 44.73 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VN050196.D
 Acq: 30 Jul 2018 18:52

Tgt Ion: 98 Resp: 1426910
 Ion Ratio Lower Upper
 98 100
 100 63.2 50.7 76.1





#59

2-Hexanone

Concen: 5.19 ug/l

RT: 10.76 min Scan# 2852

Delta R.T. 0.01 min

Lab File: VN050196.D

Acq: 30 Jul 2018 18:52

Instrument :

MSVOA_N

ClientSampled :

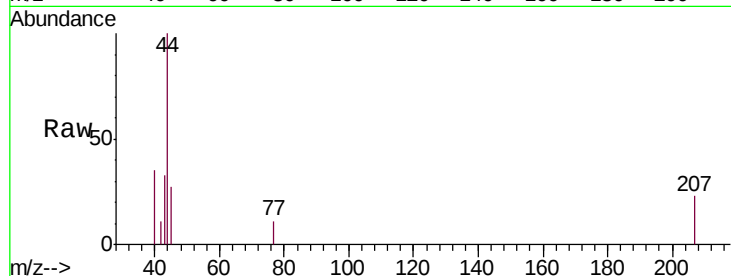
ECMW-02

Tot Ion: 43 Resp: 127

Ion Ratio Lower Upper

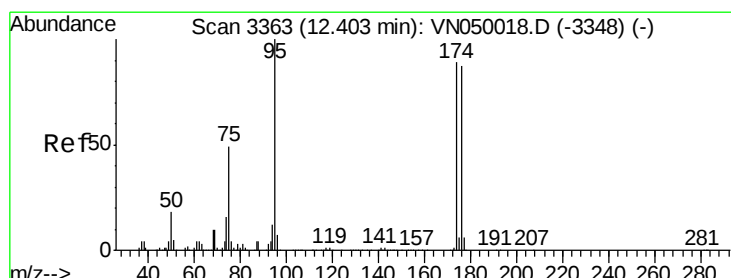
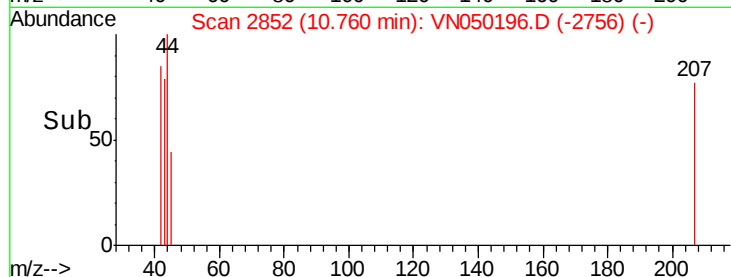
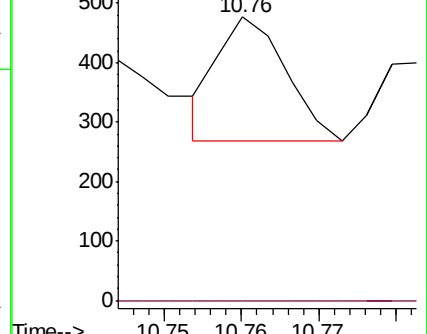
43 100

58 0.0 27.6 82.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 34.51 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050196.D

Acq: 30 Jul 2018 18:52

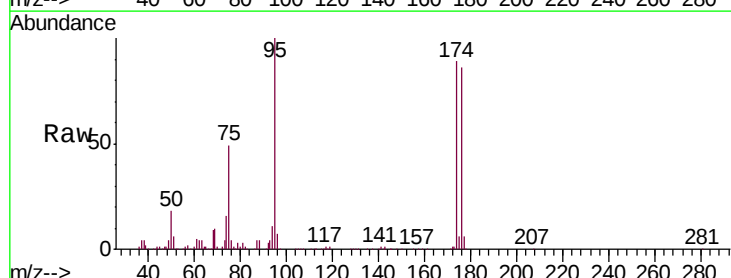
Tgt Ion: 95 Resp: 362541

Ion Ratio Lower Upper

95 100

174 90.8 0.0 178.2

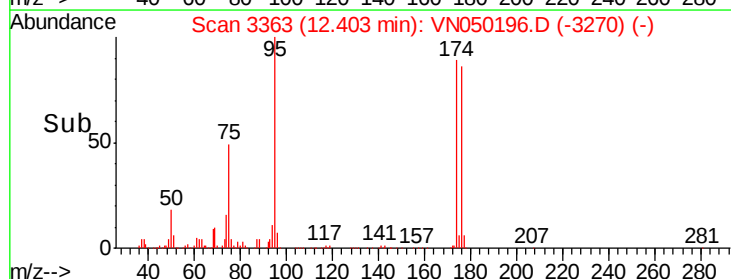
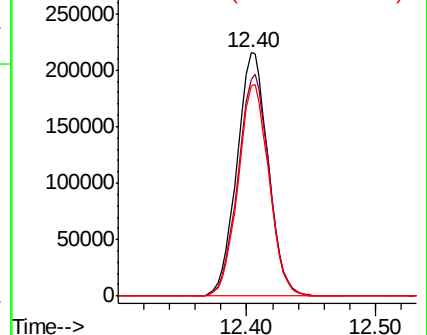
176 86.0 0.0 173.4

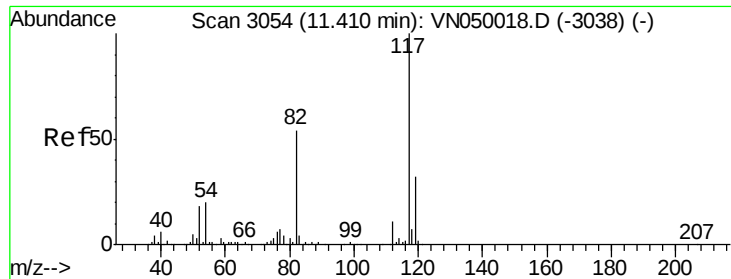


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

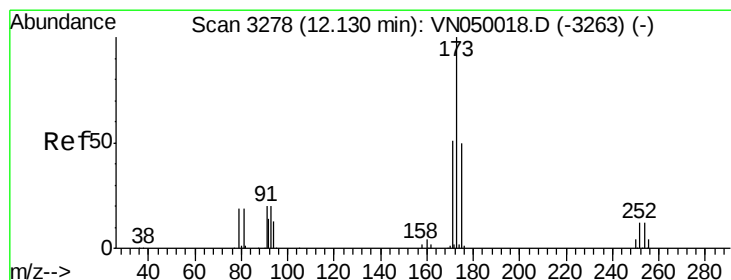
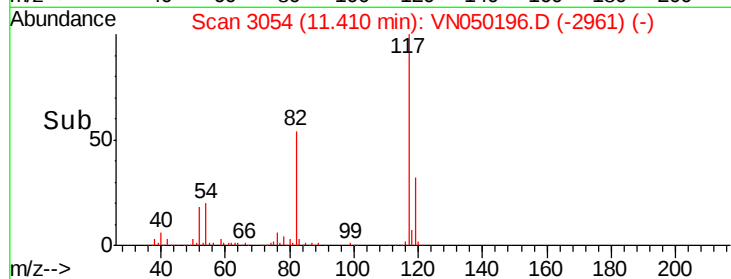
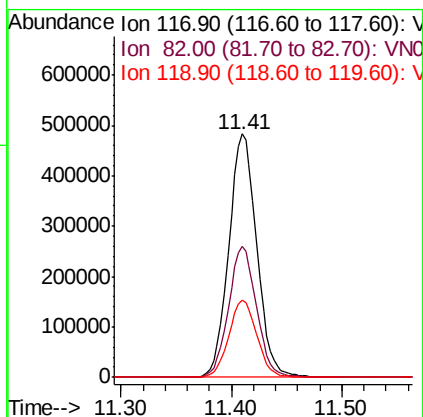
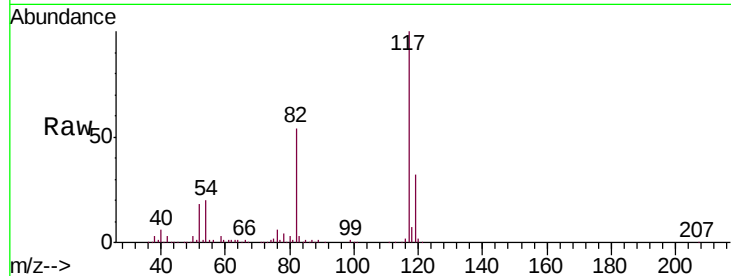




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050196.D
Acq: 30 Jul 2018 18:52

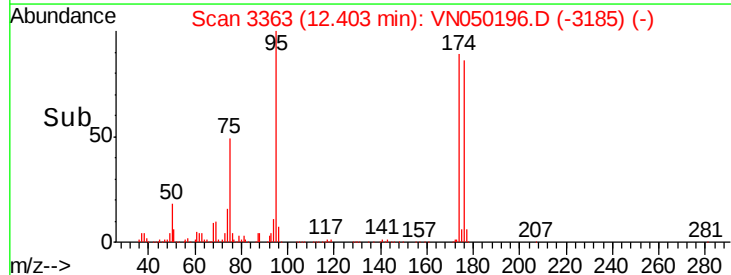
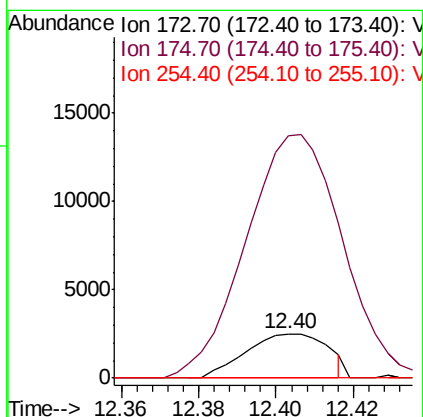
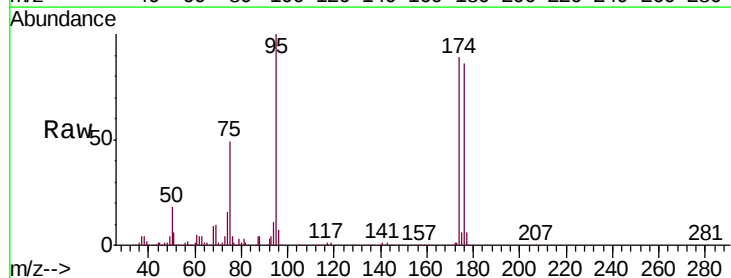
Instrument :
MSVOA_N
ClientSampleId :
ECMW-02

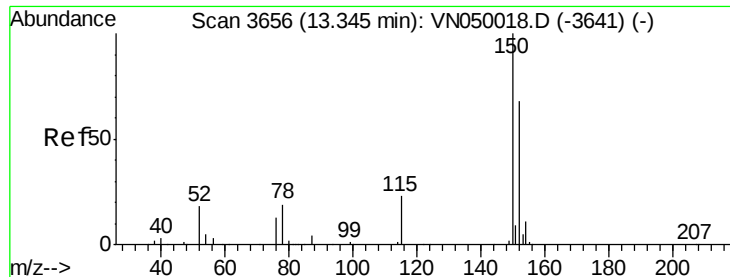
Tot Ion:117 Resp: 848337
Ion Ratio Lower Upper
117 100
82 53.6 43.7 65.5
119 31.6 26.1 39.1



#71
Bromoform
Concen: 0.62 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.27 min
Lab File: VN050196.D
Acq: 30 Jul 2018 18:52

Tgt Ion:173 Resp: 3695
Ion Ratio Lower Upper
173 100
175 567.8 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: VN050196.D

Acq: 30 Jul 2018 18:52

Instrument :

MSVOA_N

ClientSampleId :

ECMW-02

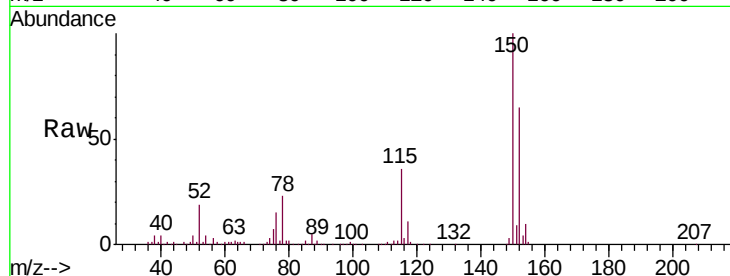
Tot Ion:152 Resp: 265298

Ion Ratio Lower Upper

152 100

115 55.6 27.8 83.3

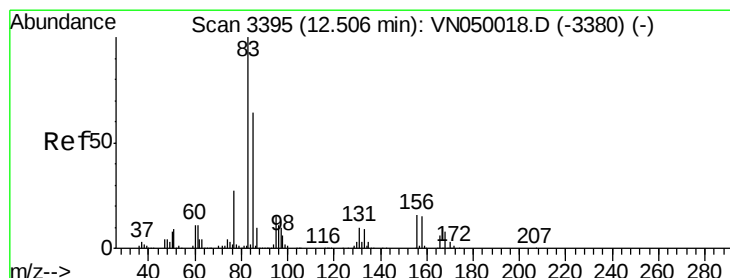
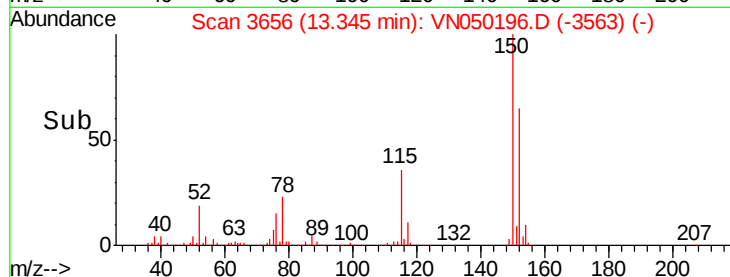
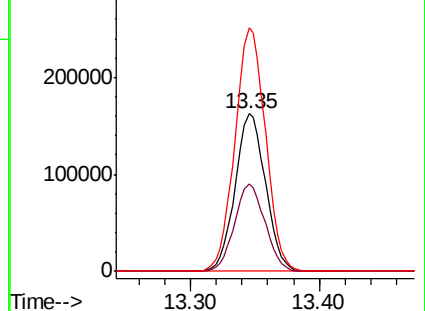
150 155.9 0.0 348.6



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: 12.40 min Scan# 3361

Delta R.T. -0.11 min

Lab File: VN050196.D

Acq: 30 Jul 2018 18:52

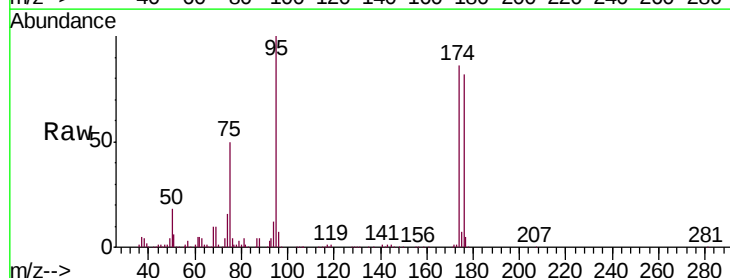
Tgt Ion: 83 Resp: 288

Ion Ratio Lower Upper

83 100

131 133.3 5.1 15.3#

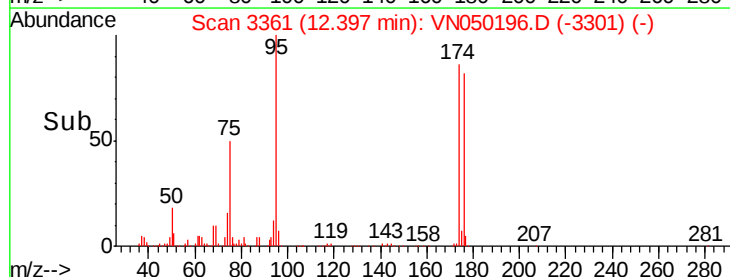
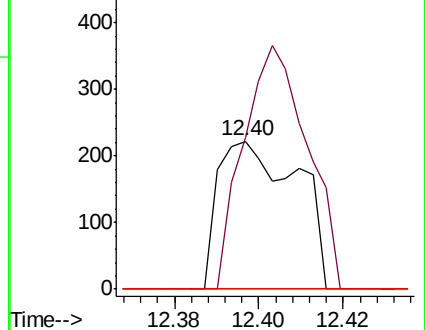
85 0.0 32.3 96.8#

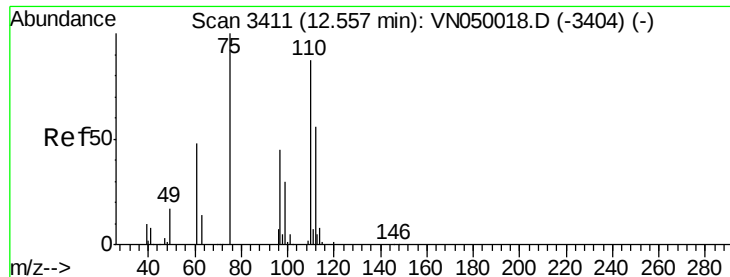


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 35.47 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050196.D

Acq: 30 Jul 2018 18:52

Instrument :

MSVOA_N

ClientSampleId :

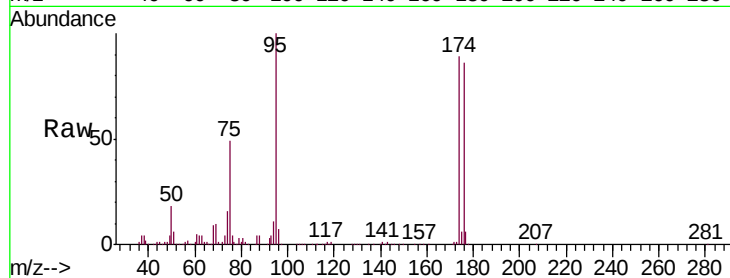
ECMW-02

Tot Ion: 75 Resp: 174883

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

120000

100000

80000

60000

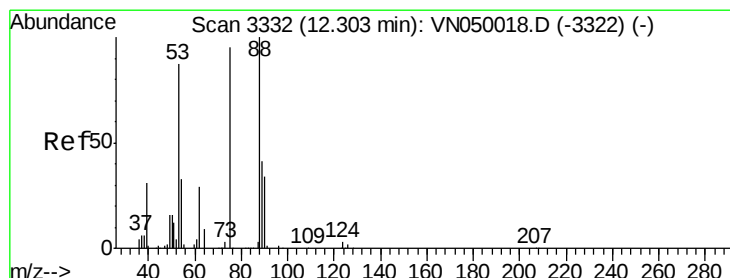
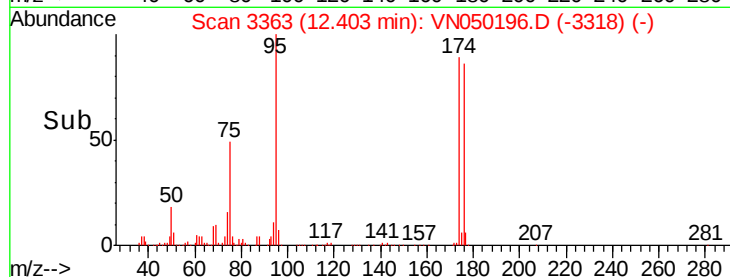
40000

20000

0

12.35 12.40 12.45

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 112.51 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050196.D

Acq: 30 Jul 2018 18:52

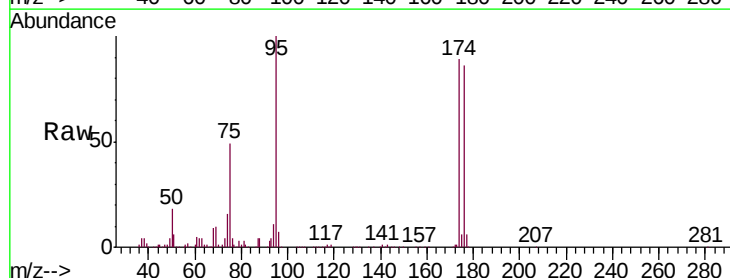
Tgt Ion: 75 Resp: 174883

Ion Ratio Lower Upper

75 100

53 0.2 73.5 110.3#

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

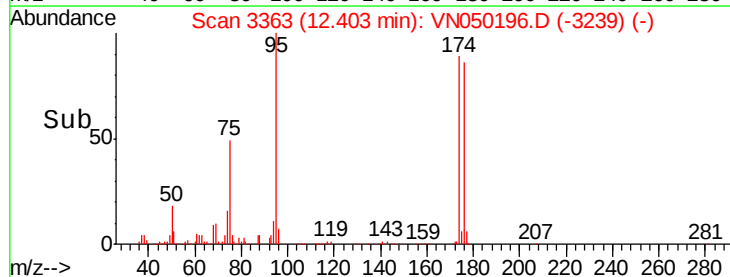
100000

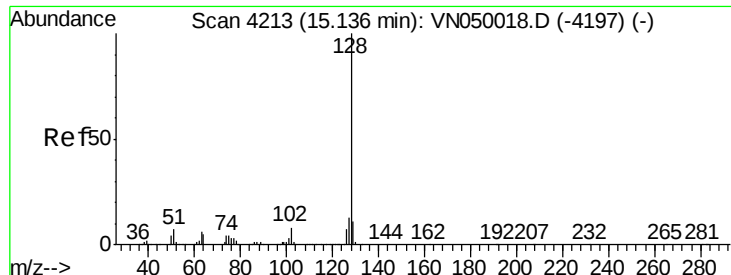
50000

0

12.35 12.40 12.45

Time-->





#95

Naphthalene

Concen: 4.51 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050196.D

Acq: 30 Jul 2018 18:52

Instrument :

MSVOA_N

ClientSampleId :

ECMW-02

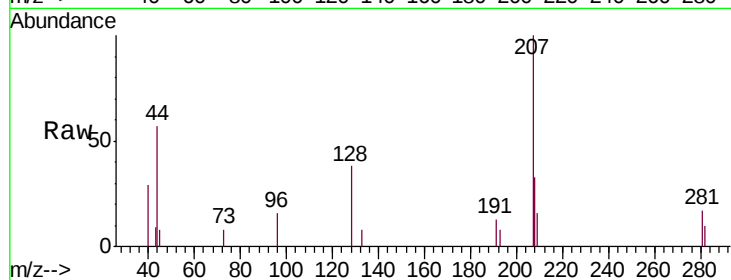
Tot Ion:128 Resp: 1219

Ion Ratio Lower Upper

128 100

127 5.0 10.4 15.6#

129 0.0 8.8 13.2#



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

