

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
 Data File : VN050154.D
 Acq On : 28 Jul 2018 1:21
 Operator : MD\SY
 Sample : J4189-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-14-S

Quant Time: Jul 28 03:54:17 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

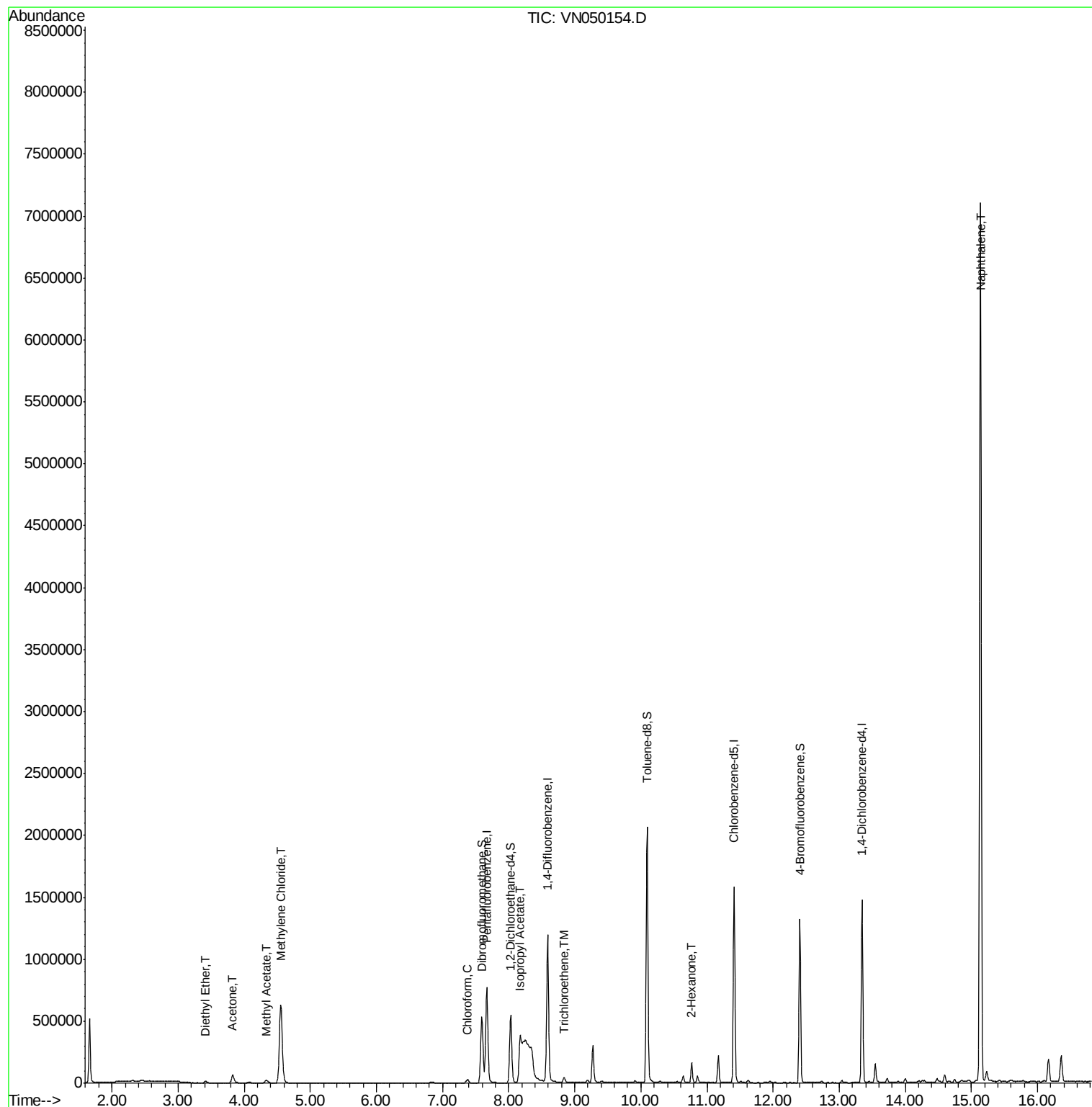
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	652851	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1086773	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	937027	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	405525	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	465316	51.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.16%	
35) Dibromofluoromethane	7.60	113	408510	46.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.08%	
50) Toluene-d8	10.09	98	1488348	45.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.24%	
62) 4-Bromofluorobenzene	12.40	95	435641	40.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.12%	
Target Compounds						
8) Diethyl Ether	3.41	74	6679	1.440	ug/l	91
16) Acetone	3.82	43	108273	46.937	ug/l	98
18) Methyl Acetate	4.34	43	39852	3.252	ug/l	99
20) Methylene Chloride	4.55	84	495805	61.684	ug/l	99
30) Chloroform	7.38	83	29635	1.920	ug/l	99
43) Isopropyl Acetate	8.17	43	478133	29.249	ug/l #	85
44) Trichloroethene	8.84	130	13928	1.391	ug/l	96
59) 2-Hexanone	10.77	43	22061	8.678	ug/l #	57
95) Naphthalene	15.14	128	6053744	302.427	ug/l	100

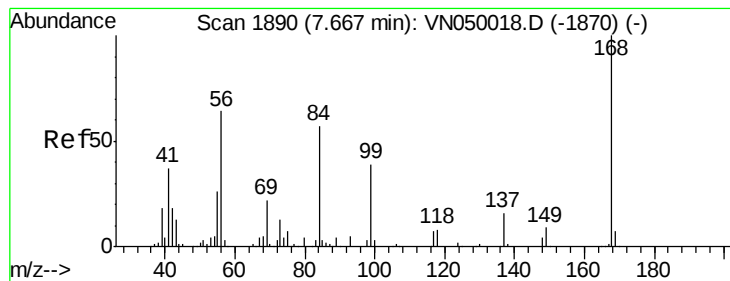
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050154.D

Acq: 28 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampled :

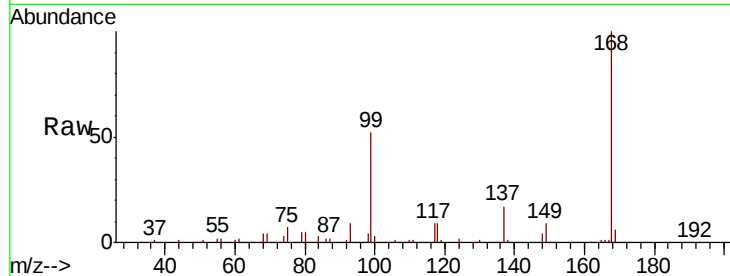
TP-14-S

Tot Ion:168 Resp: 652851

Ion Ratio Lower Upper

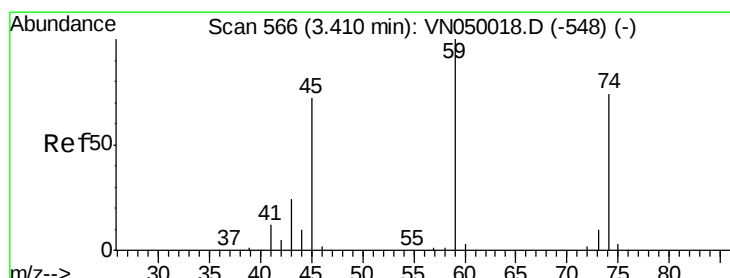
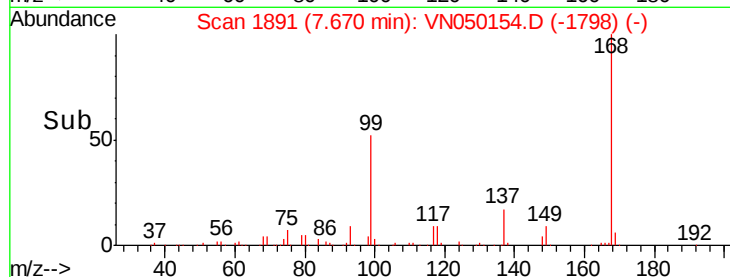
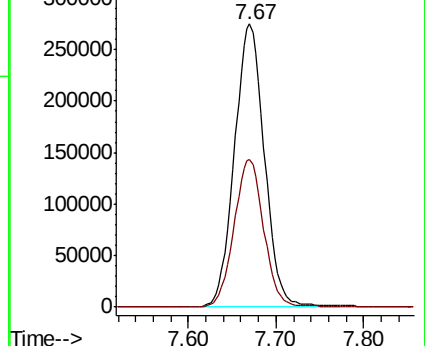
168 100

99 52.2 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#8

Diethyl Ether

Concen: 1.440 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN050154.D

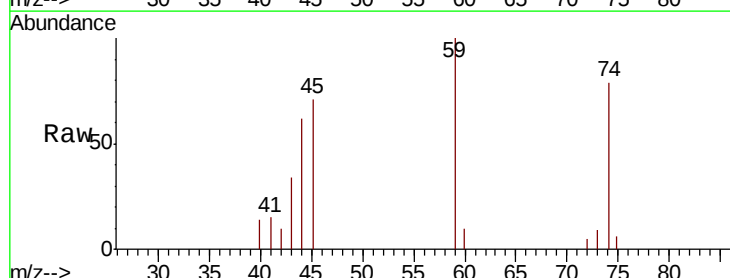
Acq: 28 Jul 2018 1:21

Tgt Ion: 74 Resp: 6679

Ion Ratio Lower Upper

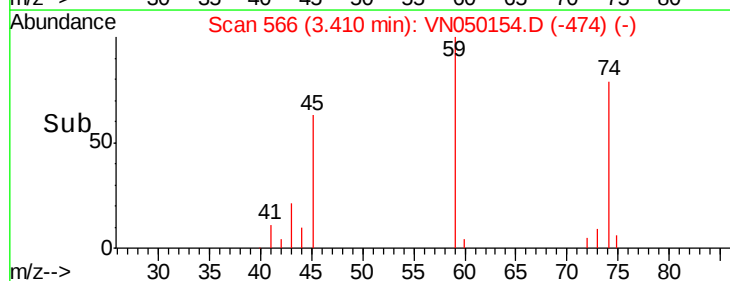
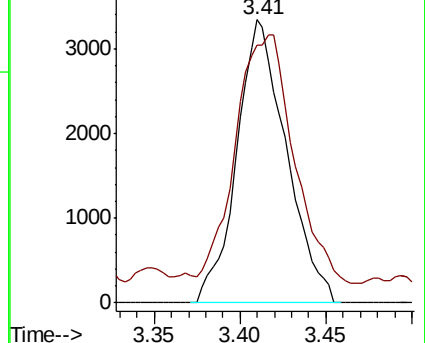
74 100

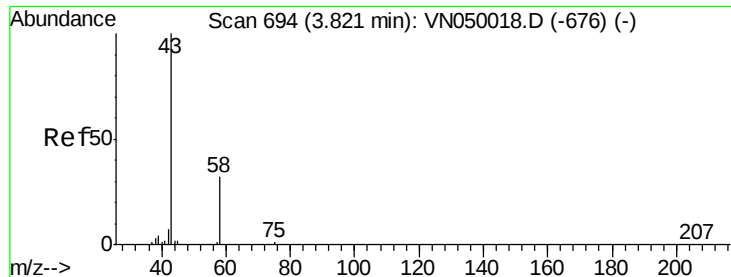
45 103.5 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#16

Acetone

Concen: 46.937 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050154.D

Acq: 28 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampleId :

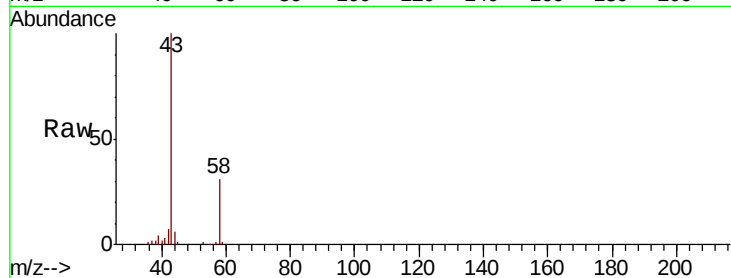
TP-14-S

Tot Ion: 43 Resp: 108273

Ion Ratio Lower Upper

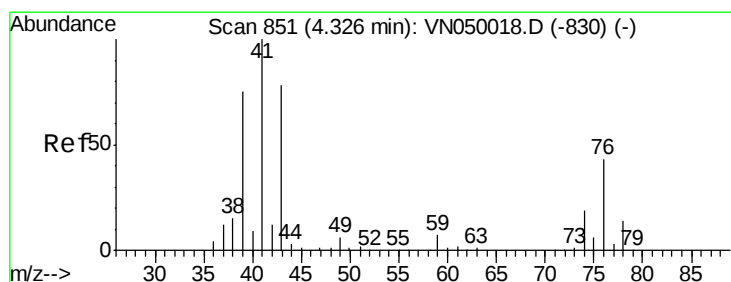
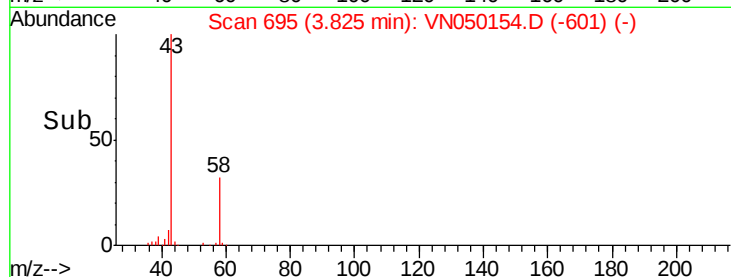
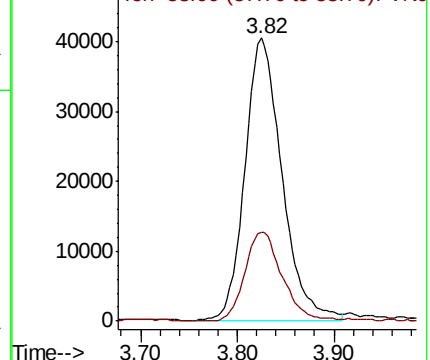
43 100

58 31.4 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 3.252 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.00 min

Lab File: VN050154.D

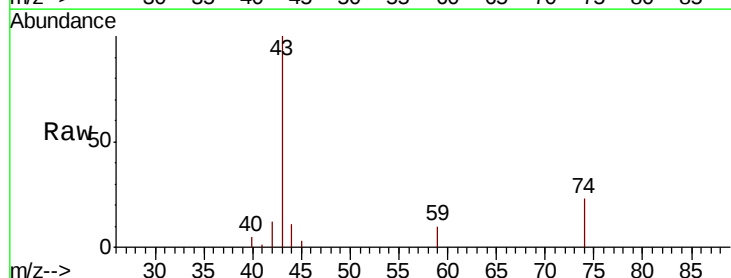
Acq: 28 Jul 2018 1:21

Tgt Ion: 43 Resp: 39852

Ion Ratio Lower Upper

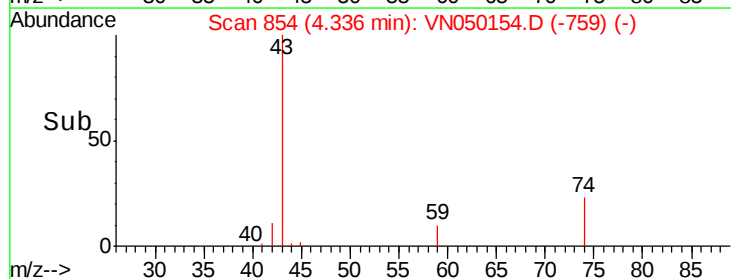
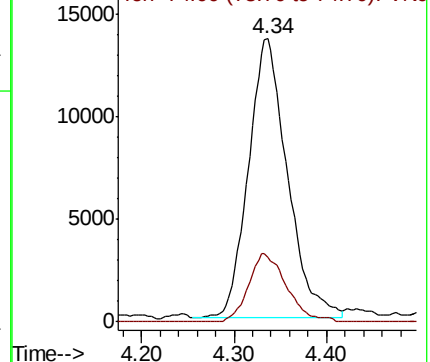
43 100

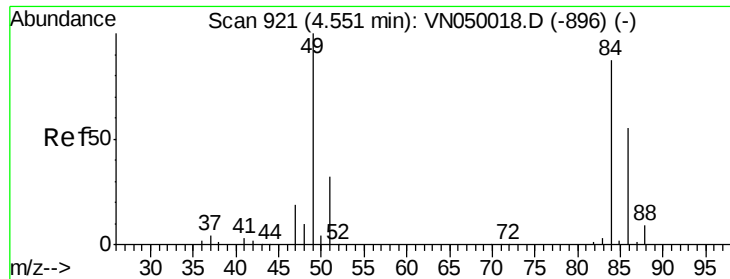
74 23.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

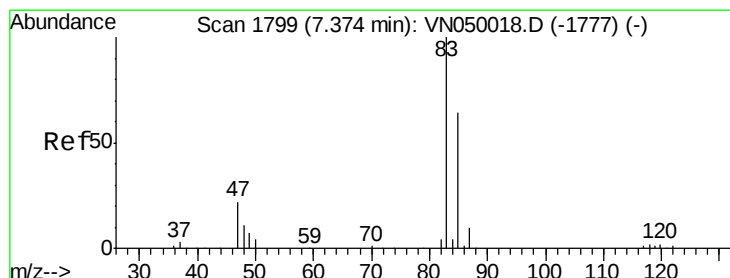
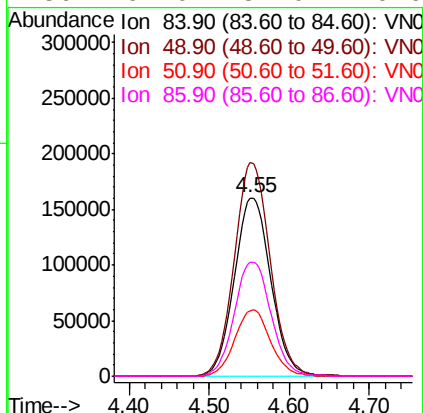
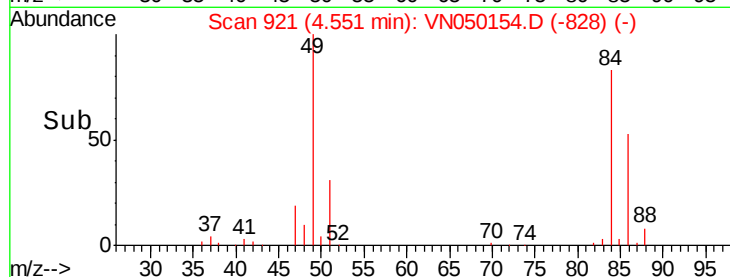
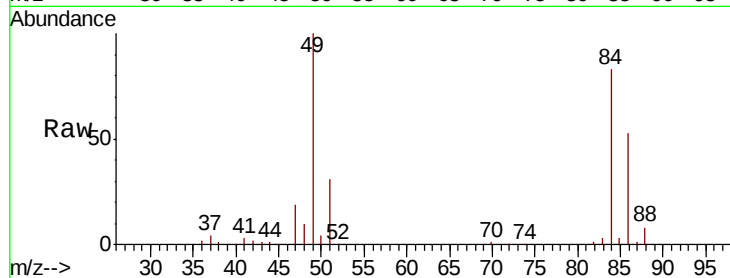




#20
Methvlene Chloride
Concen: 61.684 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050154.D
Acq: 28 Jul 2018 1:21

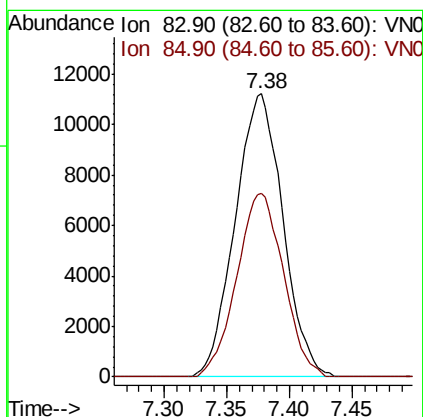
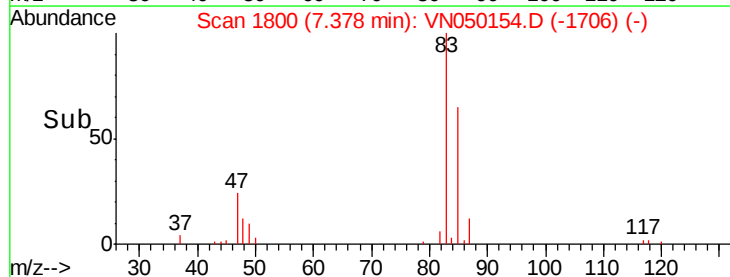
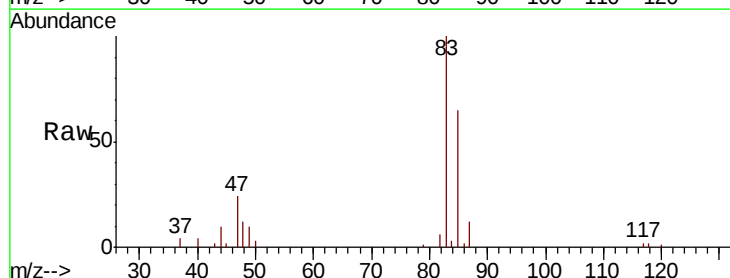
Instrument :
MSVOA_N
ClientSampled :
TP-14-S

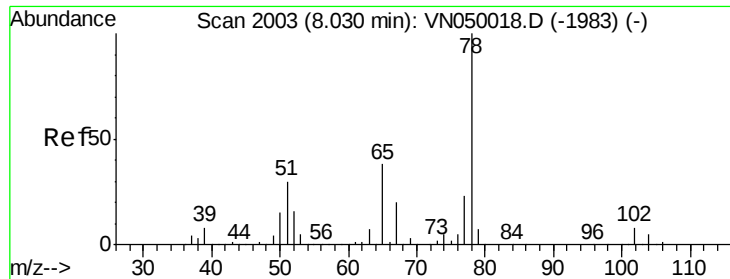
Tot Ion: 84 Resp: 495805
Ion Ratio Lower Upper
84 100
49 119.8 94.8 142.2
51 36.9 28.3 42.5
86 64.0 51.0 76.6



#30
Chloroform
Concen: 1.920 ug/l
RT: 7.38 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN050154.D
Acq: 28 Jul 2018 1:21

Tgt Ion: 83 Resp: 29635
Ion Ratio Lower Upper
83 100
85 65.0 52.5 78.7





#33

1,2-Dichloroethane-d4

Concen: 51.084 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050154.D

Acq: 28 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampleId :

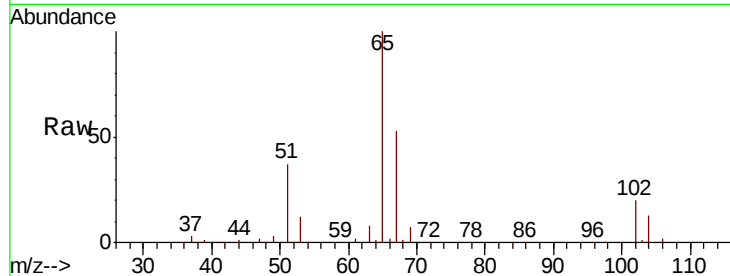
TP-14-S

Tot Ion: 65 Resp: 465316

Ion Ratio Lower Upper

65 100

67 53.3 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

200000

150000

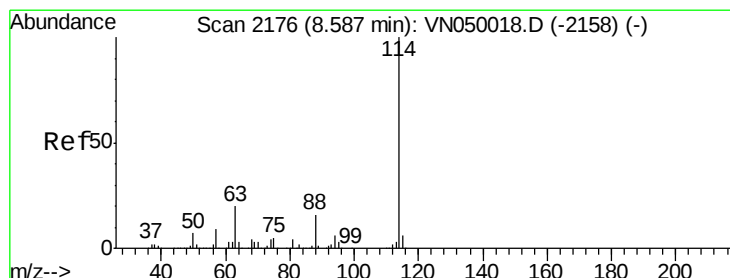
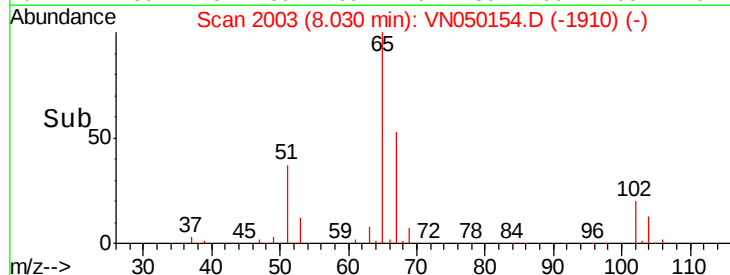
100000

50000

0

7.90 8.00 8.10 8.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050154.D

Acq: 28 Jul 2018 1:21

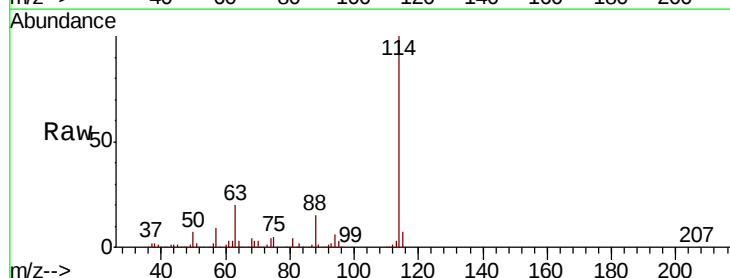
Tgt Ion:114 Resp: 1086773

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.0

88 15.3 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

600000

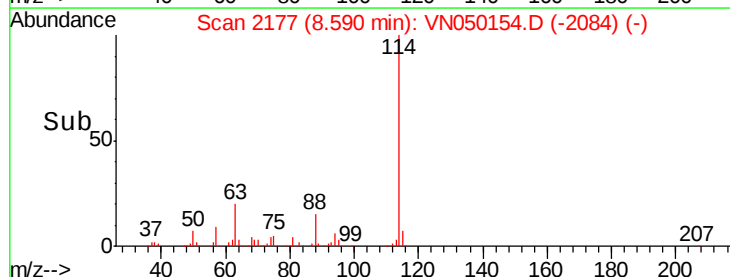
400000

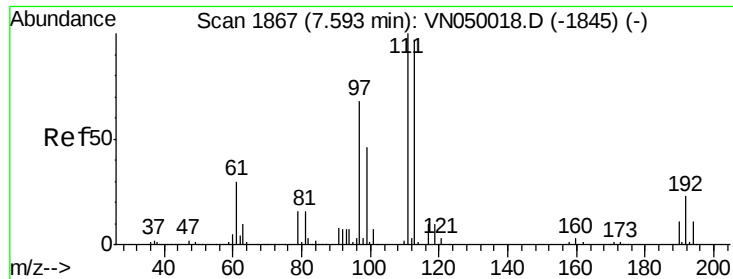
200000

0

8.50 8.60 8.70

Time-->

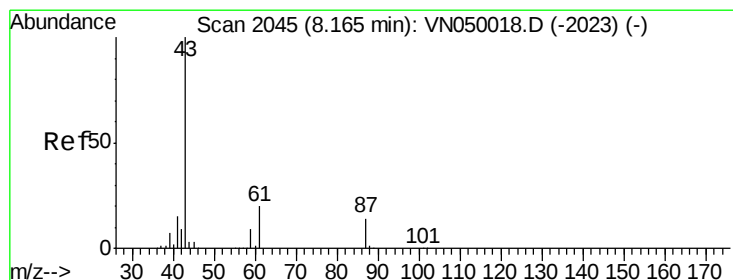
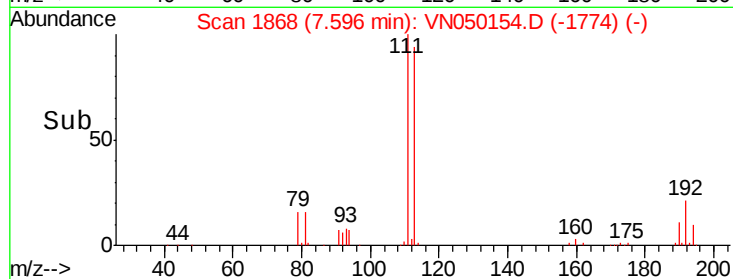
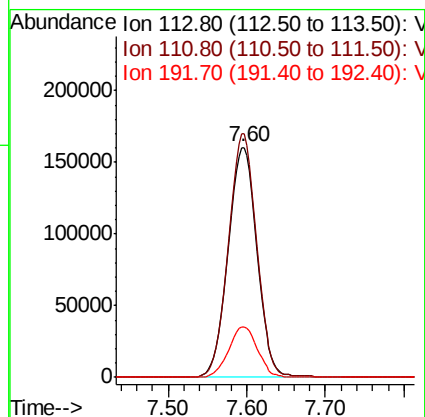
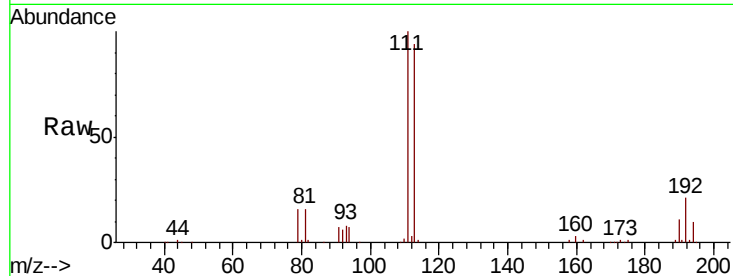




#35
 Dibromofluoromethane
 Concen: 46.039 ug/l
 RT: 7.60 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN050154.D
 Acq: 28 Jul 2018 1:21

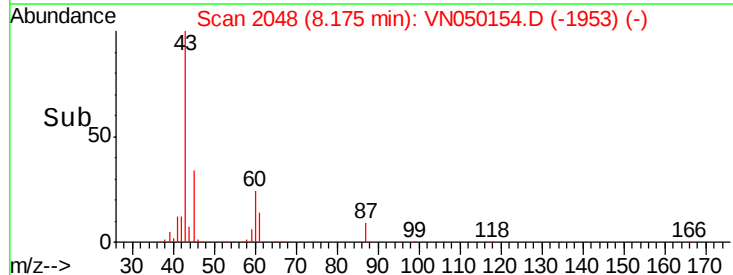
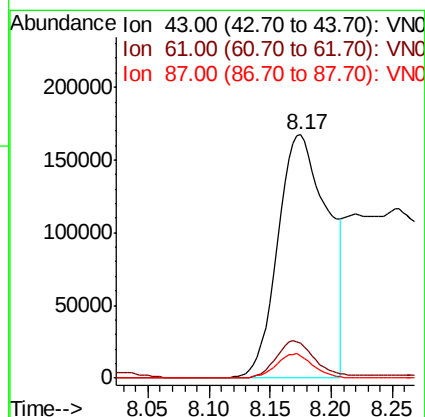
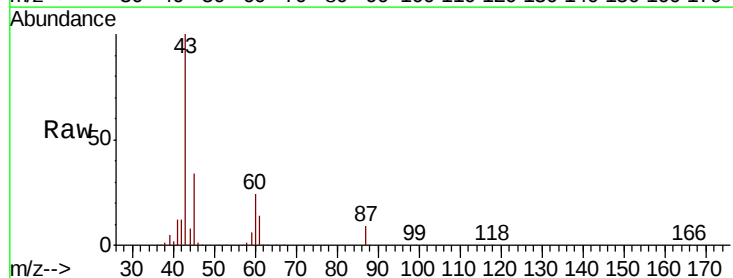
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-14-S

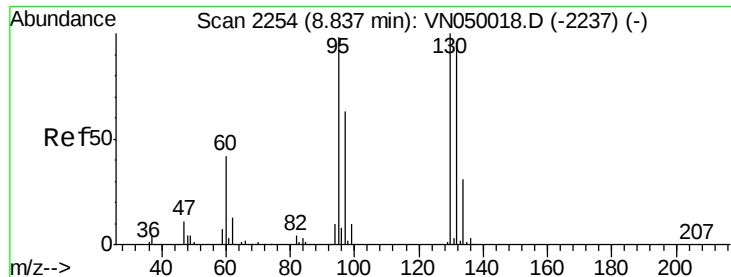
Tot Ion:113 Resp: 408510
 Ion Ratio Lower Upper
 113 100
 111 102.9 80.7 121.1
 192 22.1 17.8 26.6



#43
 Isopropyl Acetate
 Concen: 29.249 ug/l
 RT: 8.17 min Scan# 2048
 Delta R.T. 0.01 min
 Lab File: VN050154.D
 Acq: 28 Jul 2018 1:21

Tgt Ion: 43 Resp: 478133
 Ion Ratio Lower Upper
 43 100
 61 12.3 15.8 23.6#
 87 7.4 10.3 15.5#





#44

Trichloroethene

Concen: 1.391 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050154.D

Acq: 28 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampleId :

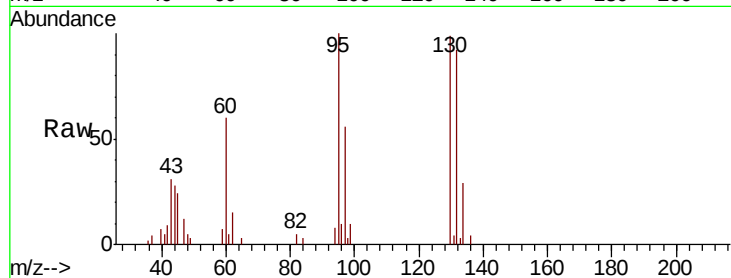
TP-14-S

Tot Ion:130 Resp: 13928

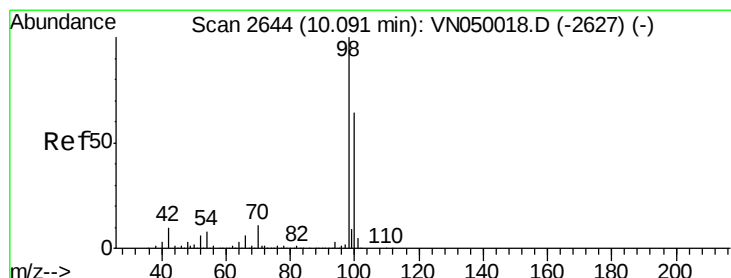
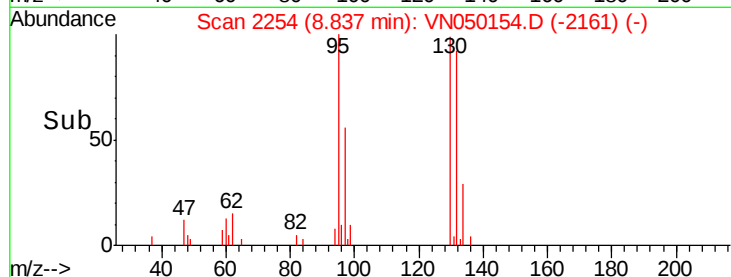
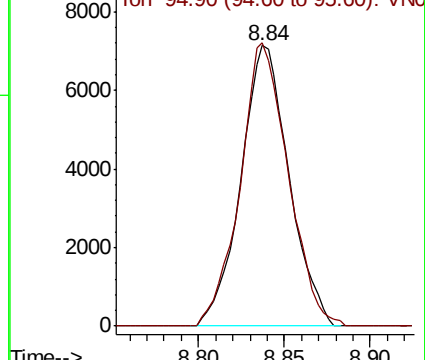
Ion Ratio Lower Upper

130 100

95 100.8 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050018.D (-2237) (-)



#50

Toluene-d8

Concen: 45.625 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050154.D

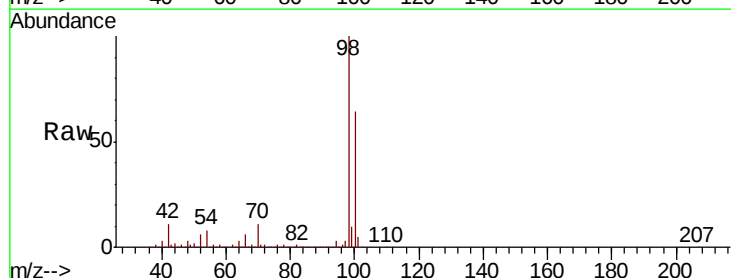
Acq: 28 Jul 2018 1:21

Tgt Ion: 98 Resp: 1488348

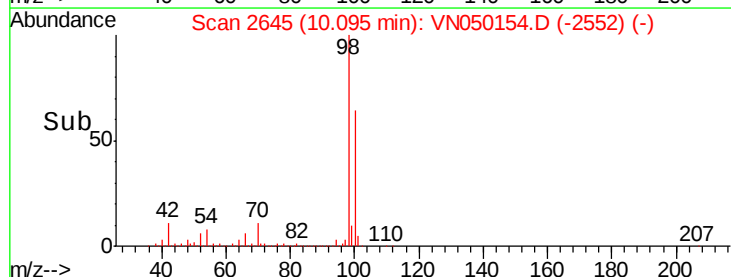
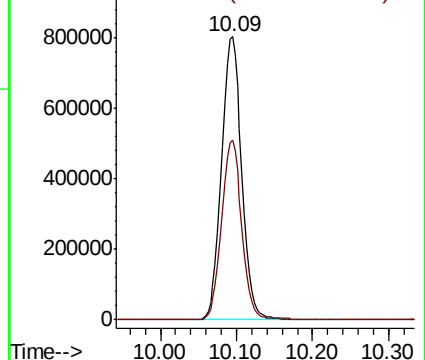
Ion Ratio Lower Upper

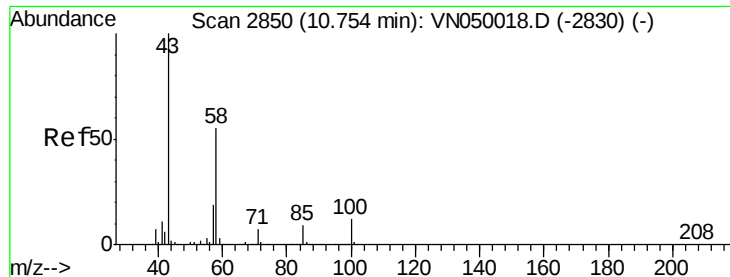
98 100

100 63.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN050018.D (-2627) (-)





#59

2-Hexanone

Concen: 8.678 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN050154.D

Acq: 28 Jul 2018 1:21

Instrument :

MSVOA_N

ClientSampleId :

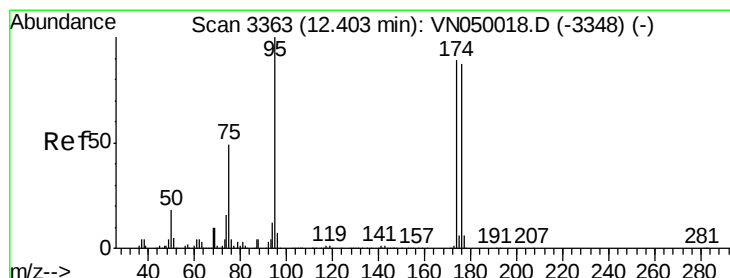
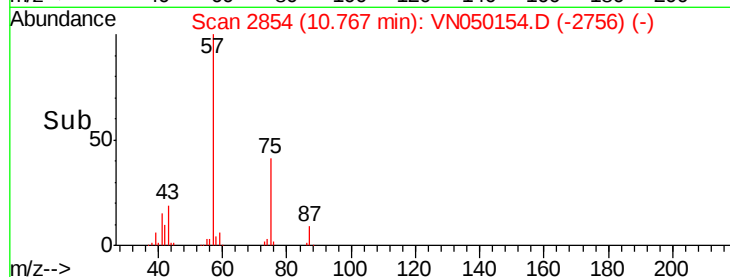
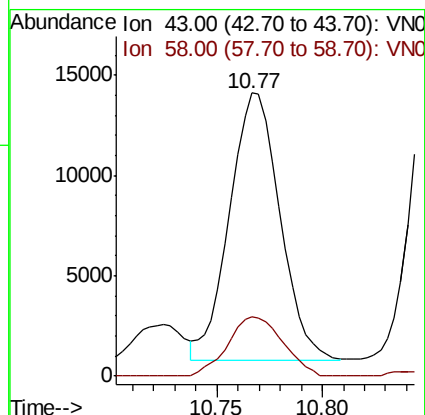
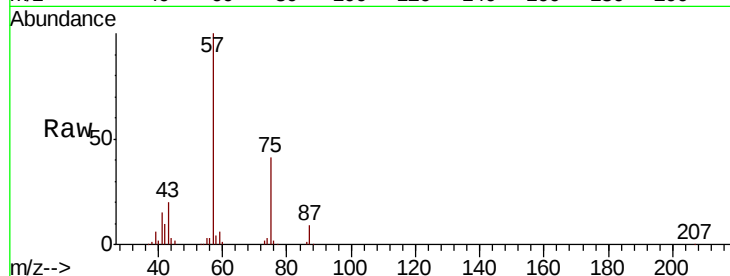
TP-14-S

Tot Ion: 43 Resp: 22061

Ion Ratio Lower Upper

43 100

58 24.3 27.6 82.7#



#62

4-Bromofluorobenzene

Concen: 40.557 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050154.D

Acq: 28 Jul 2018 1:21

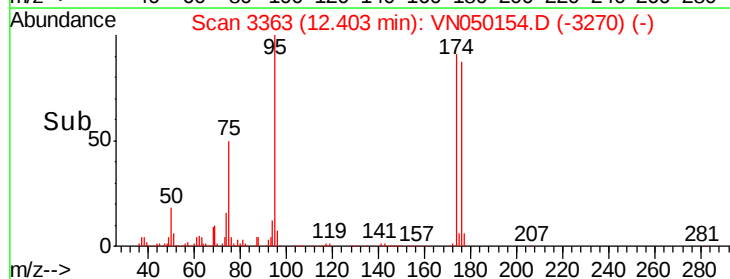
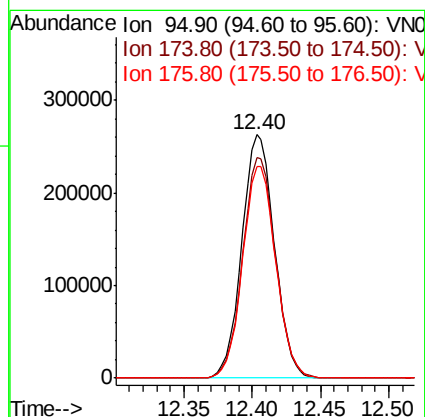
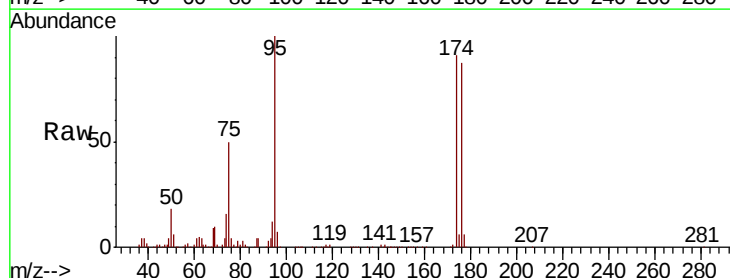
Tgt Ion: 95 Resp: 435641

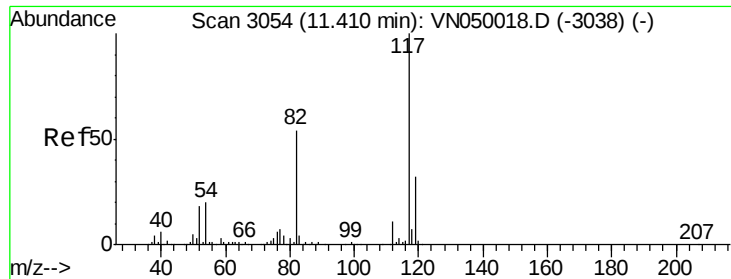
Ion Ratio Lower Upper

95 100

174 91.6 0.0 178.2

176 88.5 0.0 173.4

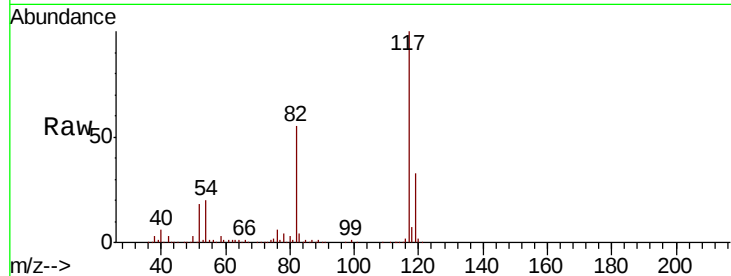




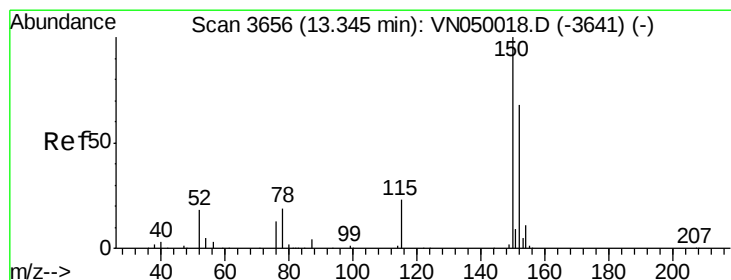
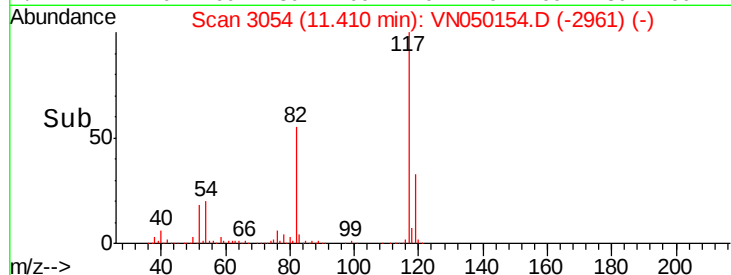
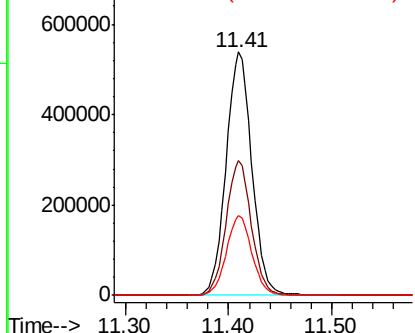
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050154.D
Acq: 28 Jul 2018 1:21

Instrument :
MSVOA_N
ClientSampleId :
TP-14-S

Tot Ion:117 Resp: 937027
Ion Ratio Lower Upper
117 100
82 55.1 43.7 65.5
119 32.9 26.1 39.1

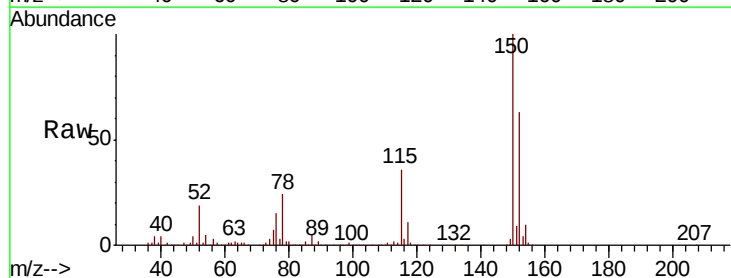


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

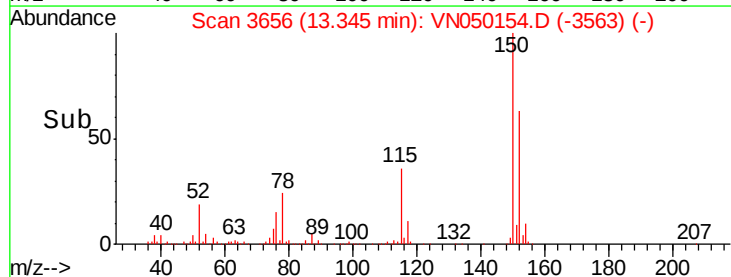
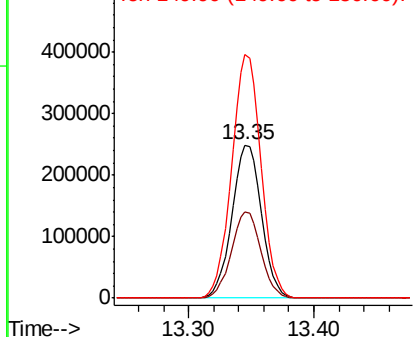


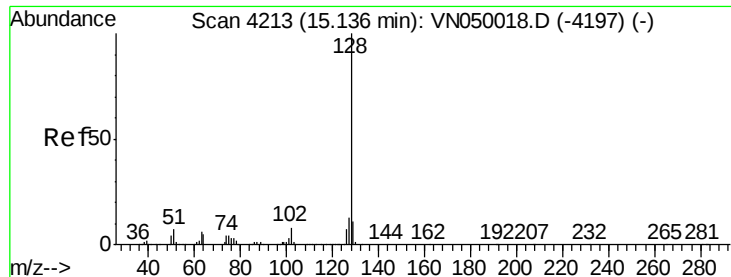
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050154.D
Acq: 28 Jul 2018 1:21

Tgt Ion:152 Resp: 405525
Ion Ratio Lower Upper
152 100
115 56.4 27.8 83.3
150 158.1 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





#95
Naphthalene
Concen: 302.427 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050154.D
Acq: 28 Jul 2018 1:21

Instrument :
MSVOA_N
ClientSampleId :
TP-14-S

Tot Ion:128 Resp: 6053744
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 10.9 8.8 13.2

