

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051603.D
 Acq On : 27 Sep 2018 23:50
 Operator : MD\SY
 Sample : J5098-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4

Quant Time: Sep 28 01:55:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	621778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1041496	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	875847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	315934	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	459094	58.94	ug/l	0.00
Spiked Amount			Recovery	=	117.88%	
35) Dibromofluoromethane	7.59	113	403190	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	
50) Toluene-d8	10.09	98	1440557	45.93	ug/l	0.00
Spiked Amount			Recovery	=	91.86%	
62) 4-Bromofluorobenzene	12.40	95	395444	38.98	ug/l	0.00
Spiked Amount			Recovery	=	77.96%	

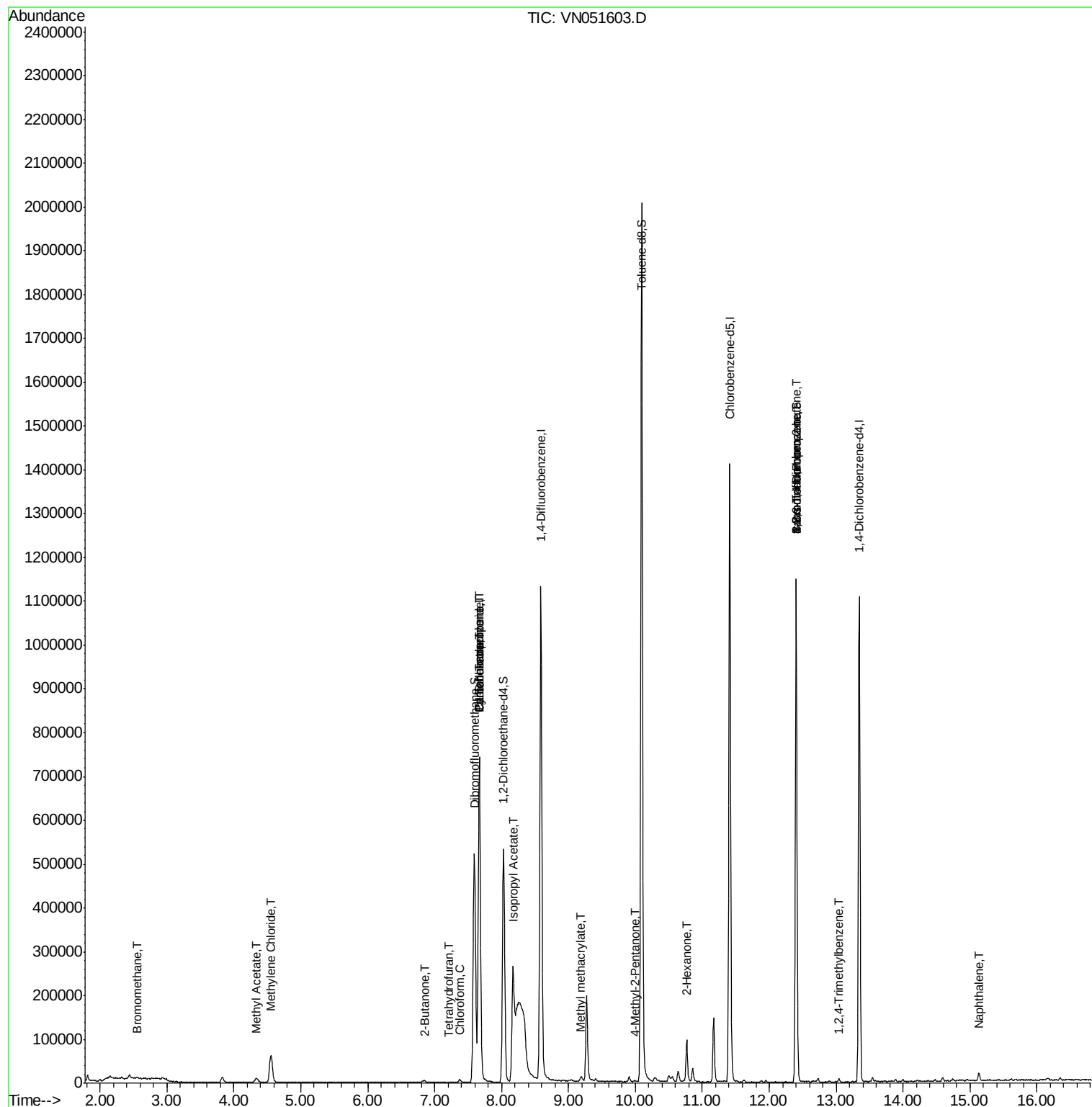
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	875	0.202	ug/l	98
16) Acetone	3.82	43	20479	Below Cal		97
18) Methyl Acetate	4.34	43	21682	3.655	ug/l #	71
20) Methylene Chloride	4.55	84	46943	6.091	ug/l	97
25) 2-Butanone	6.85	43	2641	0.991	ug/l #	71
29) Tetrahydrofuran	7.22	42	557	0.330	ug/l #	58
30) Chloroform	7.37	83	7274	0.548	ug/l #	75
31) Cyclohexane	7.67	56	11801	0.962	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	44315	3.674	ug/l #	48
38) Carbon Tetrachloride	7.67	117	57037	4.521	ug/l #	18
43) Isopropyl Acetate	8.17	43	335548	26.760	ug/l #	88
48) Methyl methacrylate	9.18	41	6911	1.105	ug/l #	21
51) 4-Methyl-2-Pentanone	9.99	43	2053	0.298	ug/l	96
59) 2-Hexanone	10.76	43	12996	2.907	ug/l #	62
71) Bromoform	12.40	173	3556	0.612	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	193008	36.800	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	193008	113.159	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.04	105	4572	0.209	ug/l	93
95) Naphthalene	15.13	128	14490	9.079	ug/l	99

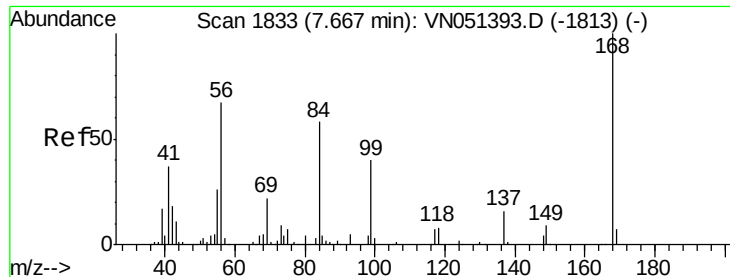
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092718\
Data File : VN051603.D
Acq On : 27 Sep 2018 23:50
Operator : MD\SY
Sample : J5098-08
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 68 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TP-4

Quant Time: Sep 28 01:55:57 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 06:41:32 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051603.D

Acq: 27 Sep 2018 23:50

Instrument :

MSVOA_N

ClientSampleId :

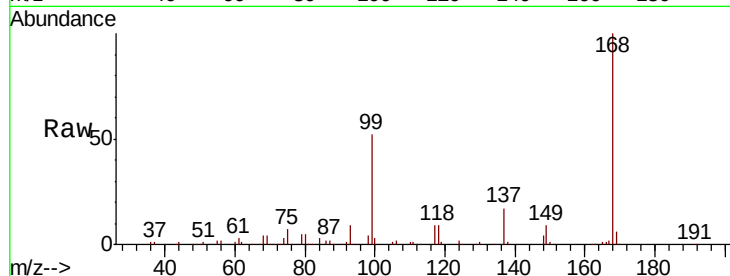
TP-4

Tot Ion:168 Resp: 621778

Ion Ratio Lower Upper

168 100

99 52.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051603.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN051603.D (-1740) (-)

7.67

250000

200000

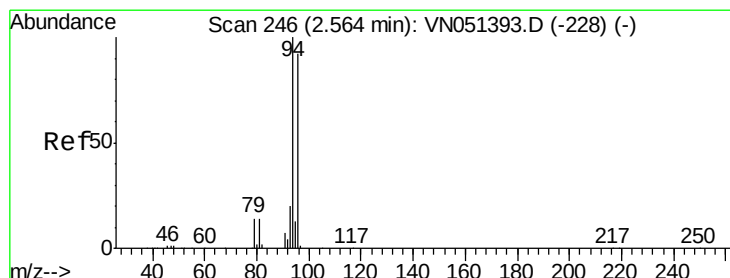
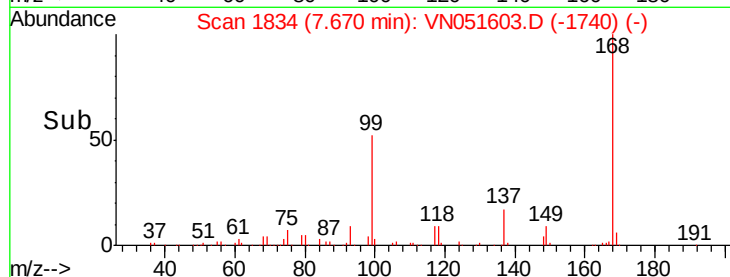
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.202 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051603.D

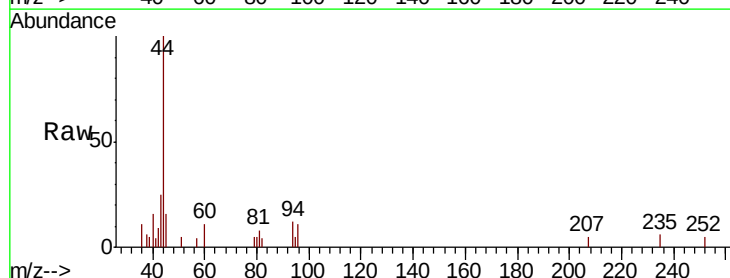
Acq: 27 Sep 2018 23:50

Tgt Ion: 94 Resp: 875

Ion Ratio Lower Upper

94 100

96 89.8 73.6 110.4



Abundance Ion 93.90 (93.60 to 94.60): VN051603.D (-153) (-)

Ion 95.90 (95.60 to 96.60): VN051603.D (-153) (-)

2.57

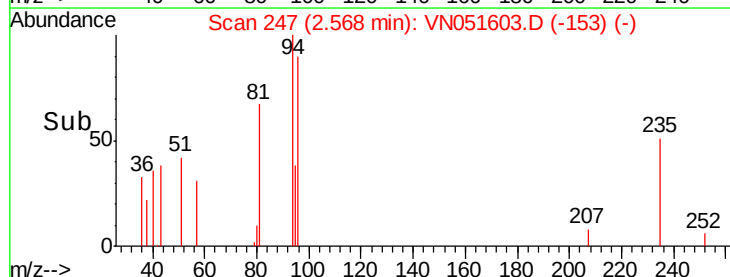
600

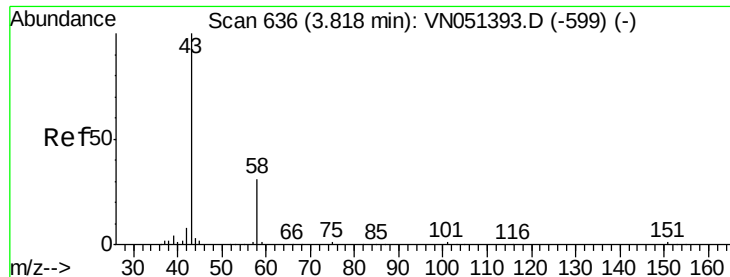
400

200

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN051603.D

Acq: 27 Sep 2018 23:50

Instrument :

MSVOA_N

ClientSampled :

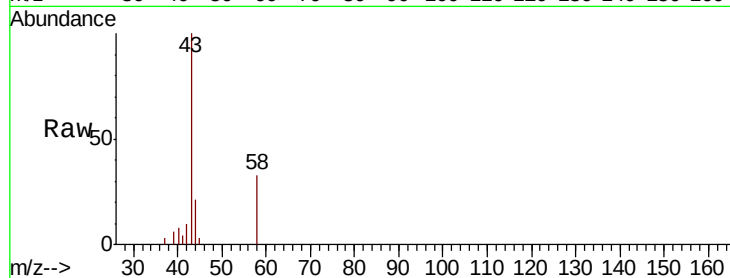
TP-4

Tot Ion: 43 Resp: 20479

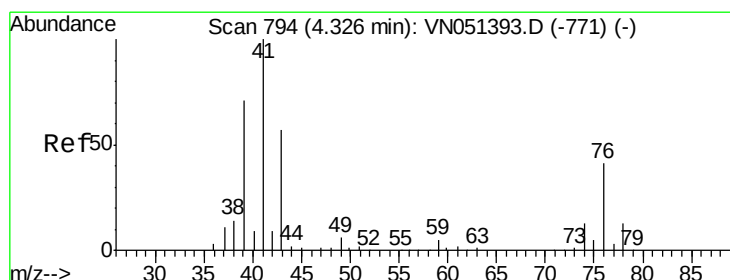
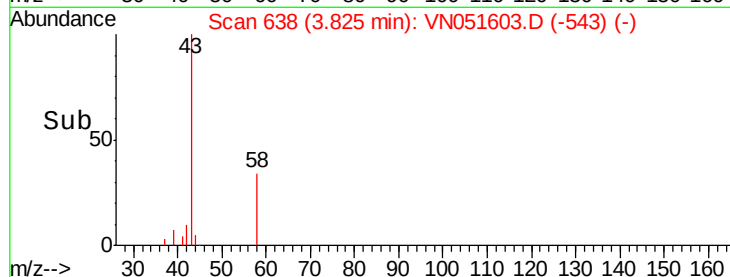
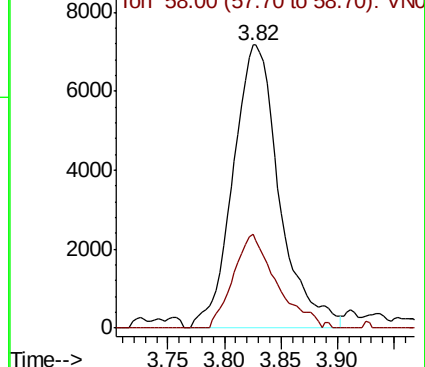
Ion Ratio Lower Upper

43 100

58 33.0 25.0 37.4



Abundance Ion 43.00 (42.70 to 43.70): VN051603.D (-599) (-)



#18

Methyl Acetate

Concen: 3.655 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN051603.D

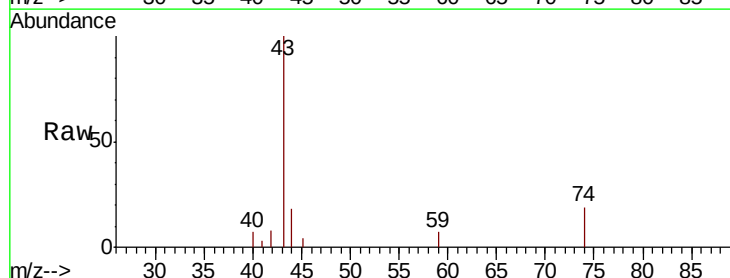
Acq: 27 Sep 2018 23:50

Tgt Ion: 43 Resp: 21682

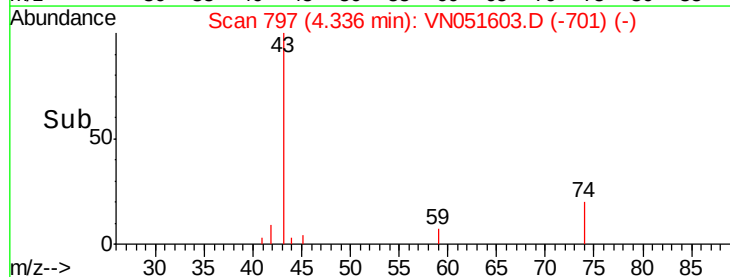
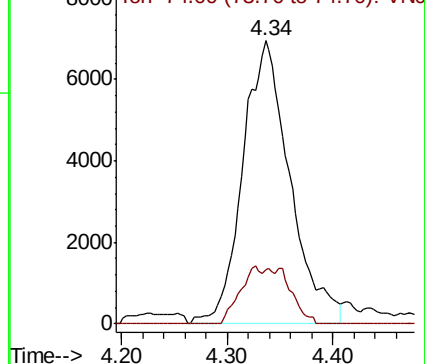
Ion Ratio Lower Upper

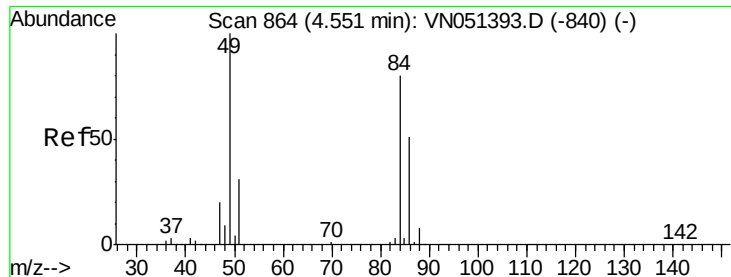
43 100

74 9.4 18.8 28.2#



Abundance Ion 43.00 (42.70 to 43.70): VN051603.D (-771) (-)

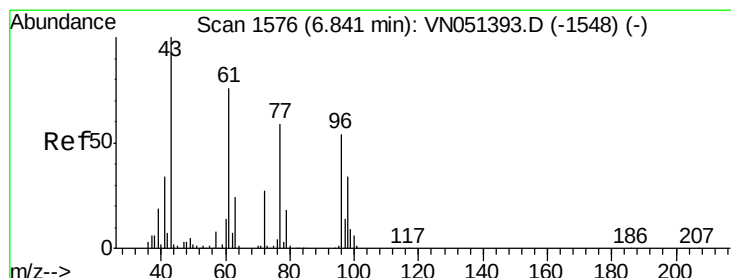
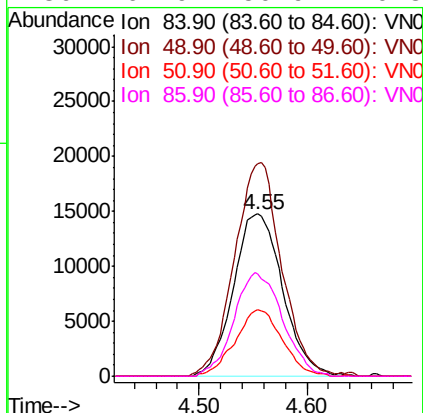
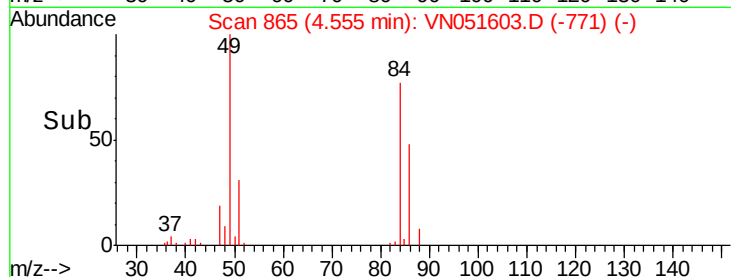
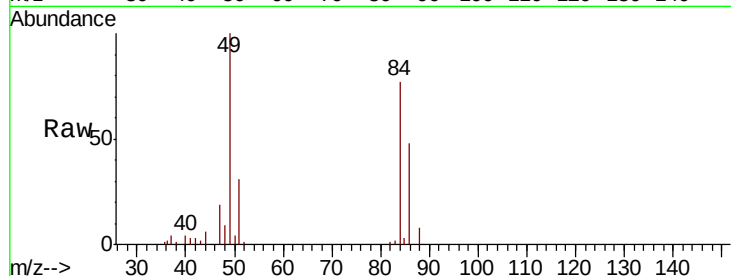




#20
Methvlene Chloride
Concen: 6.091 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051603.D
Acq: 27 Sep 2018 23:50

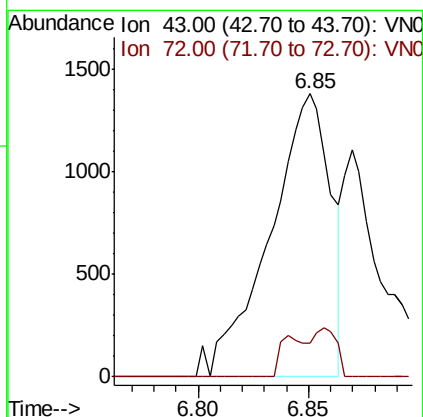
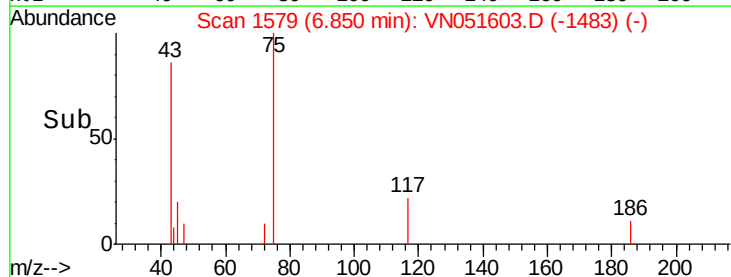
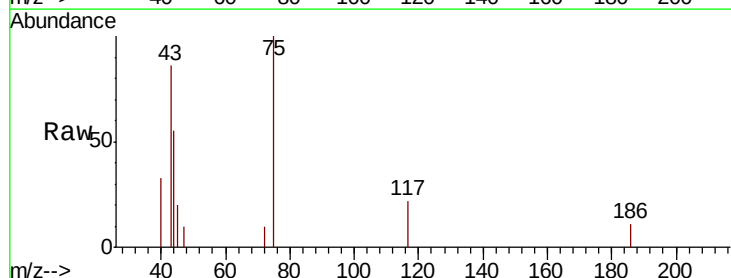
Instrument :
MSVOA_N
ClientSampleId :
TP-4

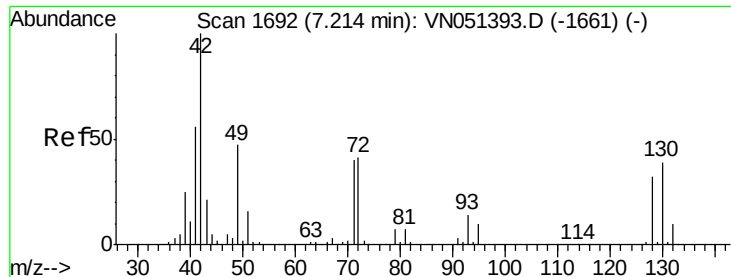
Tot Ion: 84 Resp: 46943
Ion Ratio Lower Upper
84 100
49 130.7 99.9 149.9
51 40.8 31.4 47.2
86 62.9 50.9 76.3



#25
2-Butanone
Concen: 0.991 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN051603.D
Acq: 27 Sep 2018 23:50

Tgt Ion: 43 Resp: 2641
Ion Ratio Lower Upper
43 100
72 12.0 21.8 32.6#





#29

Tetrahydrofuran

Concen: 0.330 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN051603.D

Acq: 27 Sep 2018 23:50

Instrument :

MSVOA_N

ClientSampled :

TP-4

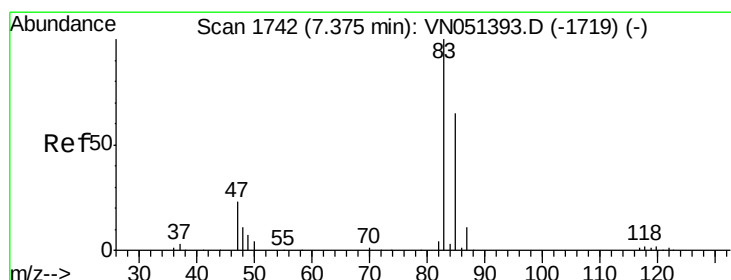
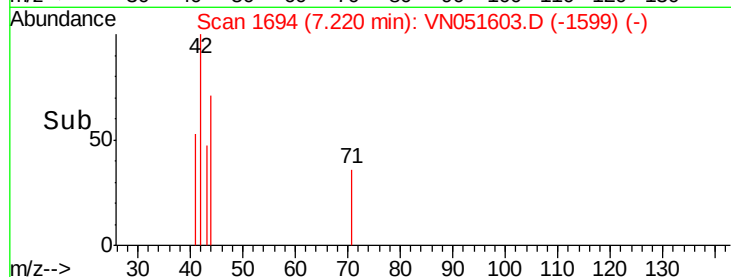
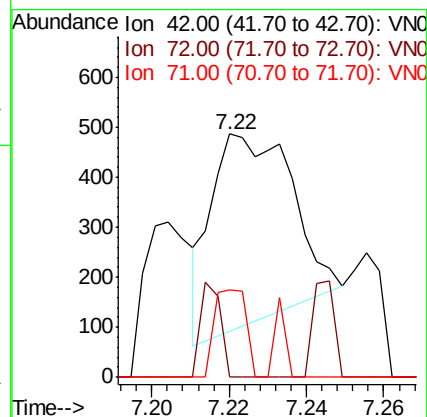
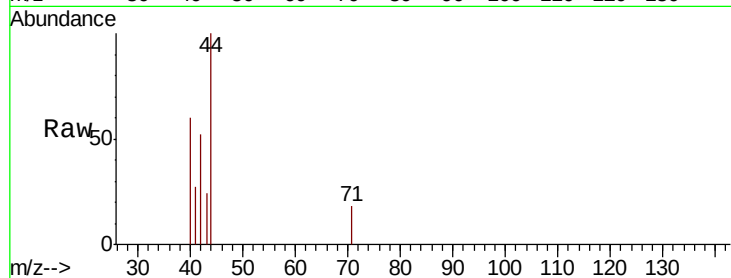
Tot Ion: 42 Resp: 557

Ion Ratio Lower Upper

42 100

72 12.2 34.3 51.5#

71 17.8 32.2 48.4#



#30

Chloroform

Concen: 0.548 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN051603.D

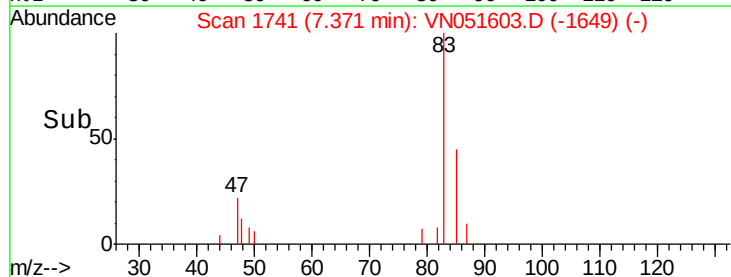
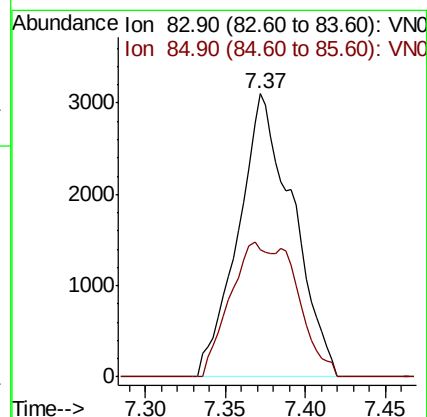
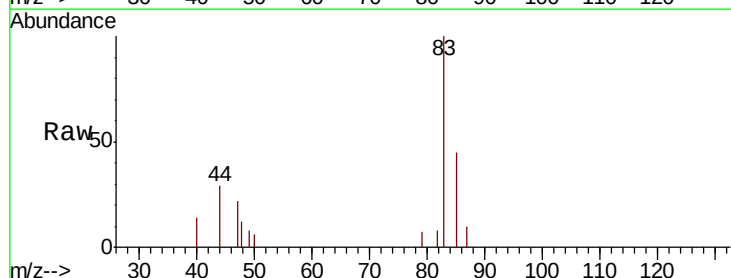
Acq: 27 Sep 2018 23:50

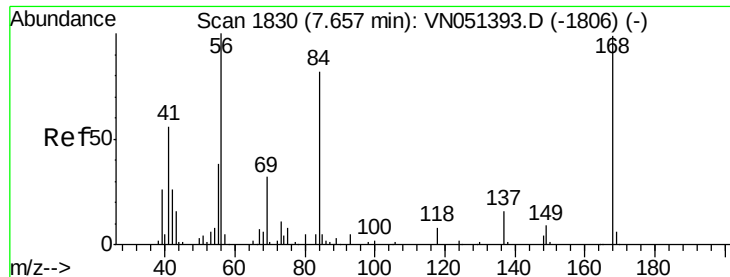
Tgt Ion: 83 Resp: 7274

Ion Ratio Lower Upper

83 100

85 45.1 51.8 77.6#

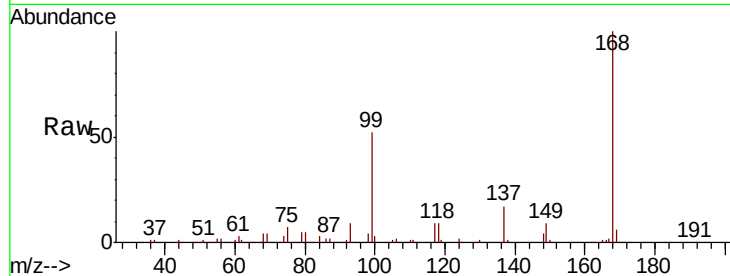




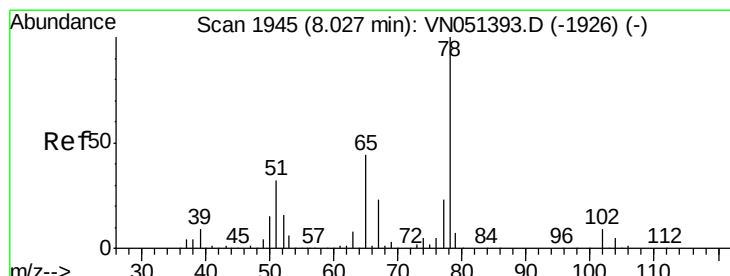
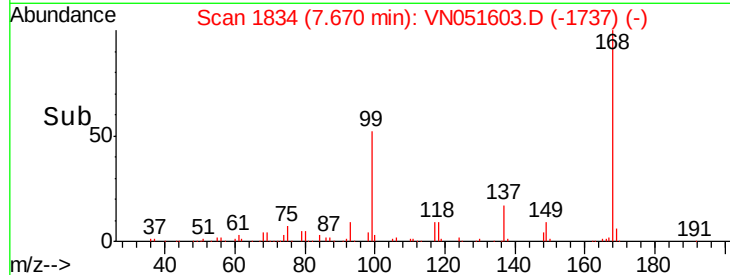
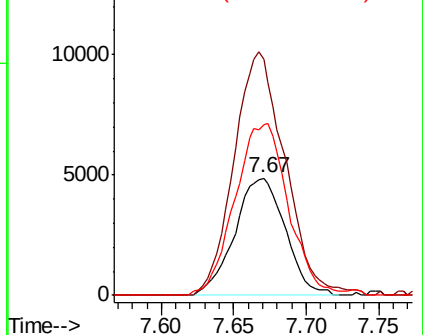
#31
Cyclohexane
Concen: 0.962 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.01 min
Lab File: VN051603.D
Acq: 27 Sep 2018 23:50

Instrument :
MSVOA_N
ClientSampled :
TP-4

Tot Ion: 56 Resp: 11801
Ion Ratio Lower Upper
56 100
69 200.6 25.8 38.6#
84 145.6 66.0 99.0#

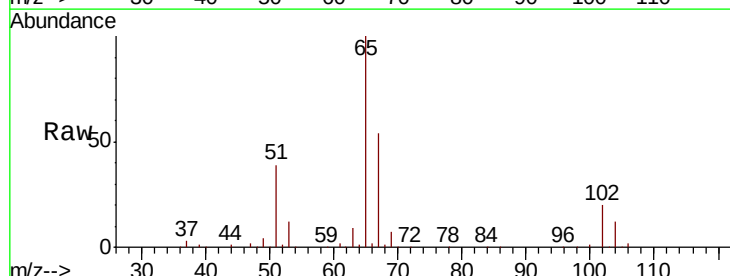


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

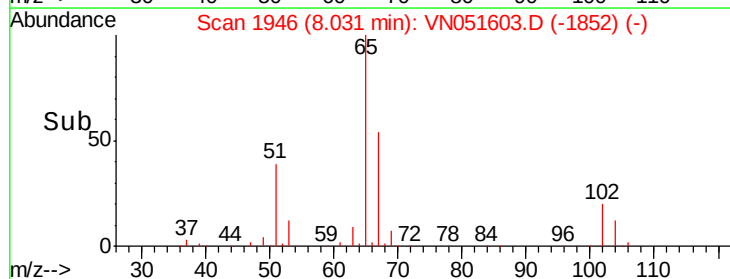
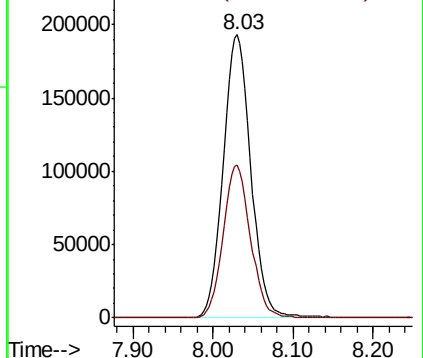


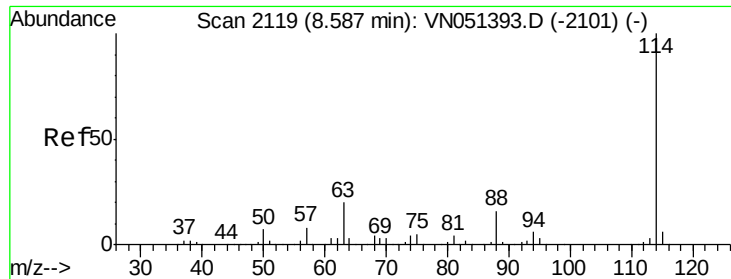
#33
1,2-Dichloroethane-d4
Concen: 58.942 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN051603.D
Acq: 27 Sep 2018 23:50

Tgt Ion: 65 Resp: 459094
Ion Ratio Lower Upper
65 100
67 53.3 0.0 107.8



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

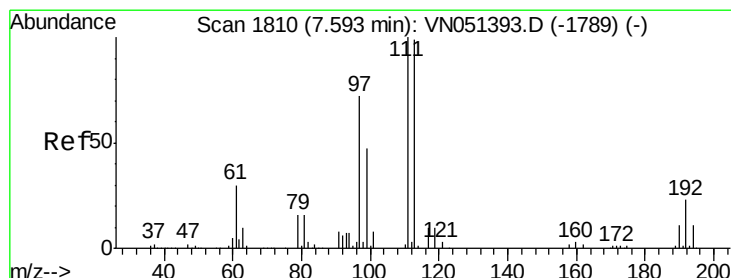
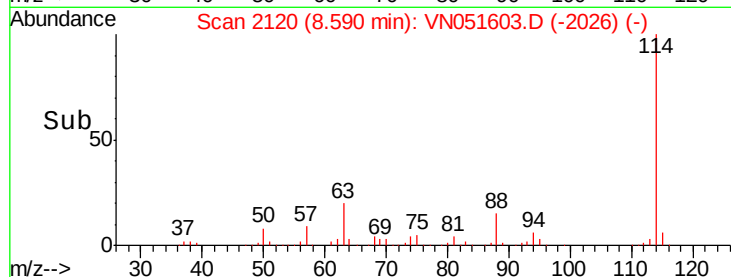
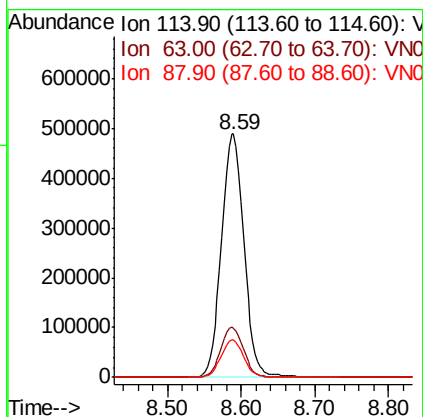
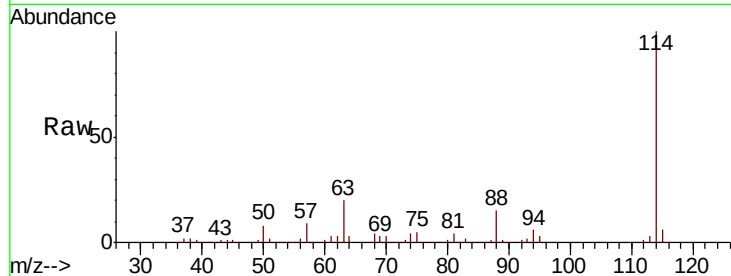




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051603.D
 Acq: 27 Sep 2018 23:50

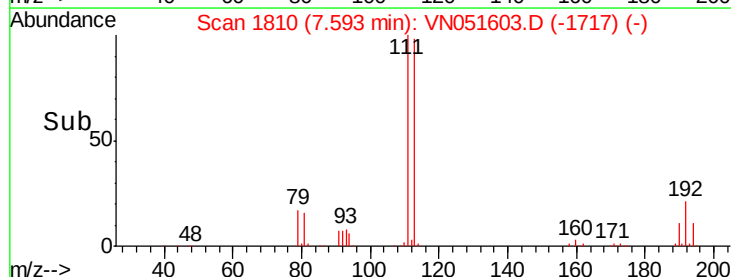
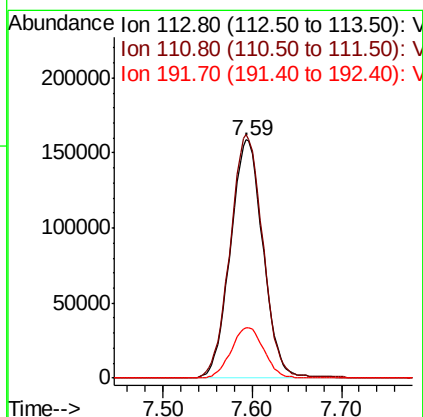
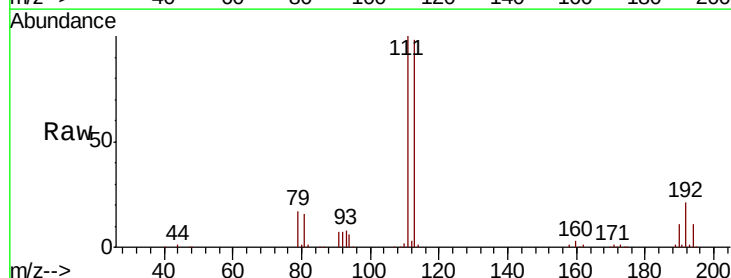
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4

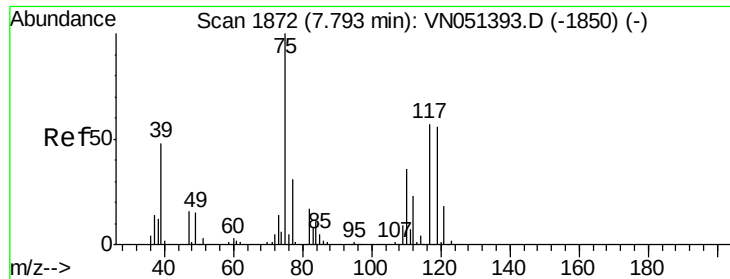
Tot Ion:114 Resp: 1041496
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.2
 88 15.5 0.0 31.4



#35
 Dibromofluoromethane
 Concen: 48.412 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051603.D
 Acq: 27 Sep 2018 23:50

Tgt Ion:113 Resp: 403190
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.6 123.8
 192 21.4 18.0 27.0





#36

1,1-Dichloropropene

Concen: 3.674 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN051603.D

Acq: 27 Sep 2018 23:50

Instrument :

MSVOA_N

ClientSampled :

TP-4

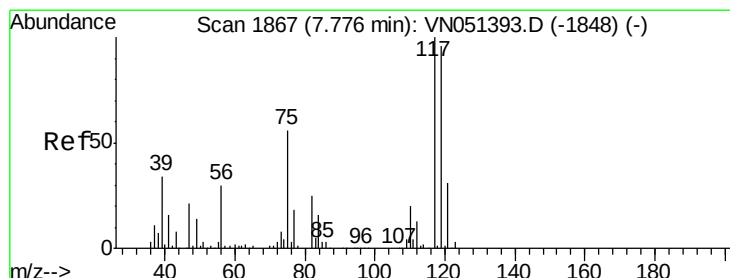
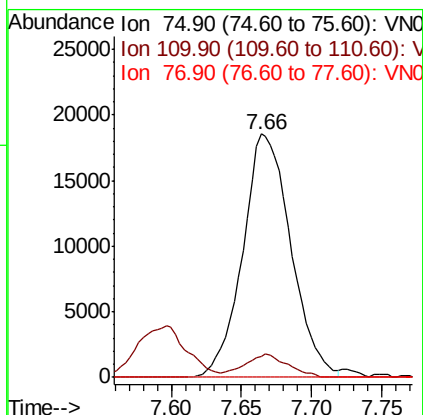
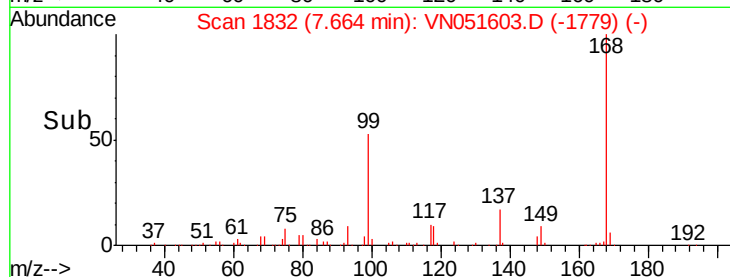
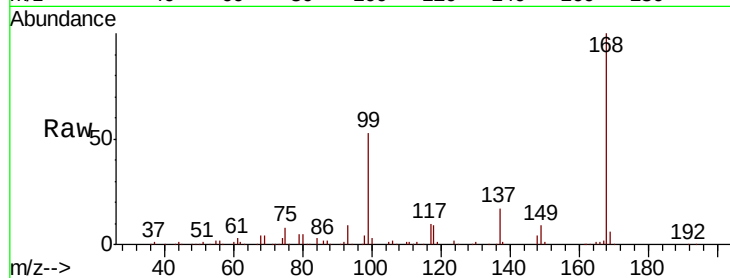
Tot Ion: 75 Resp: 44315

Ion Ratio Lower Upper

75 100

110 8.6 18.1 54.3#

77 0.0 25.6 38.4#



#38

Carbon Tetrachloride

Concen: 4.521 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051603.D

Acq: 27 Sep 2018 23:50

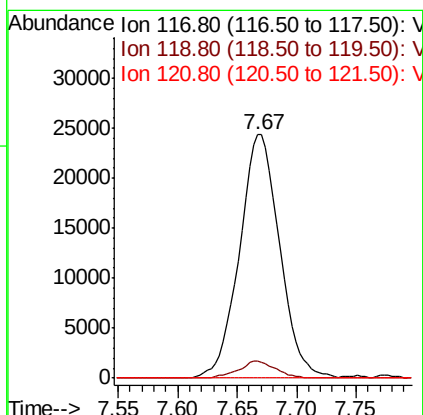
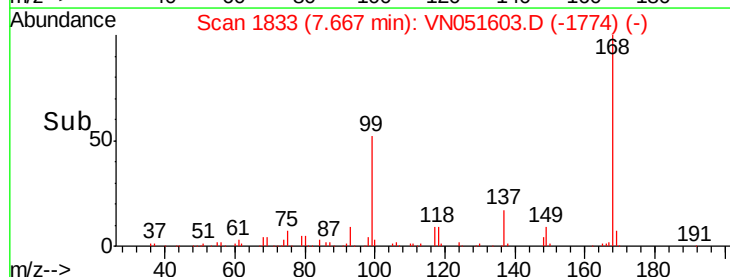
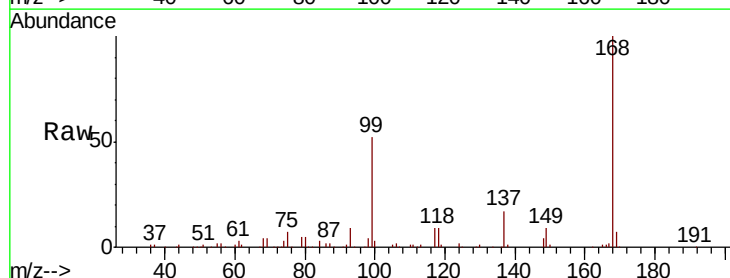
Tgt Ion: 117 Resp: 57037

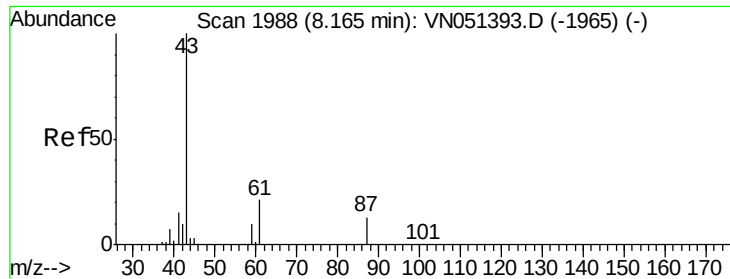
Ion Ratio Lower Upper

117 100

119 7.2 76.9 115.3#

121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 26.760 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051603.D

Acq: 27 Sep 2018 23:50

Instrument :

MSVOA_N

ClientSampleId :

TP-4

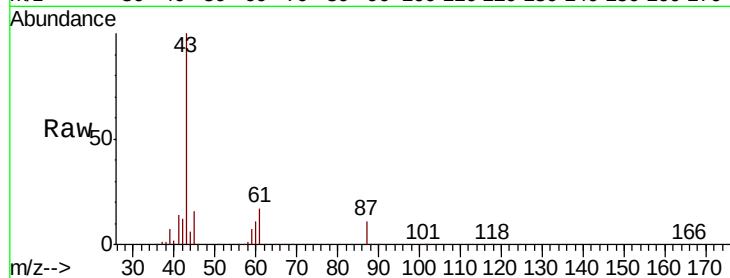
Tot Ion: 43 Resp: 335548

Ion Ratio Lower Upper

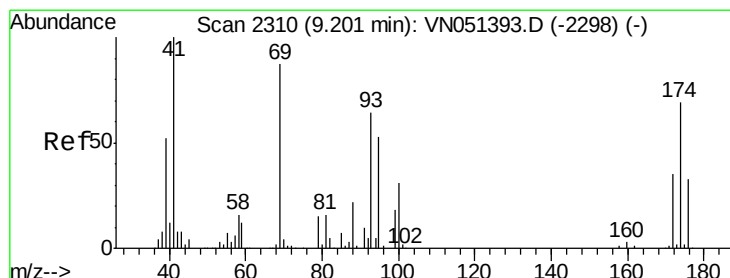
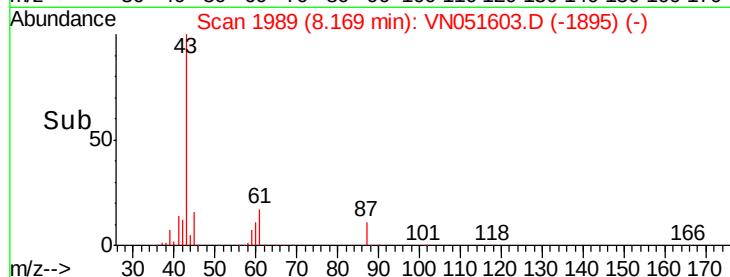
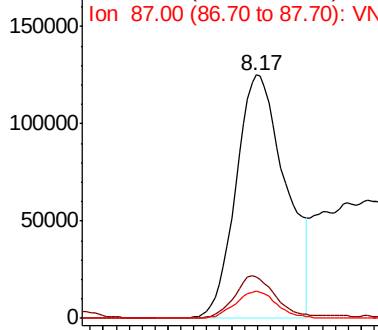
43 100

61 14.6 16.8 25.2#

87 9.4 10.7 16.1#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#48

Methyl methacrylate

Concen: 1.105 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN051603.D

Acq: 27 Sep 2018 23:50

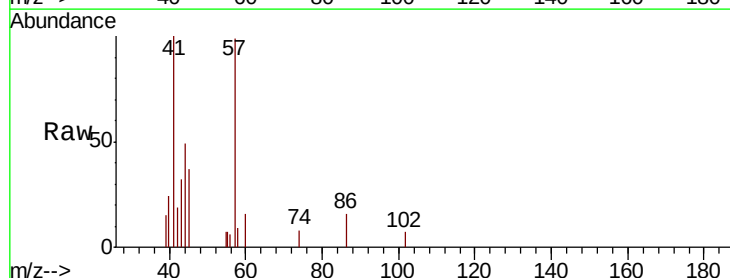
Tgt Ion: 41 Resp: 6911

Ion Ratio Lower Upper

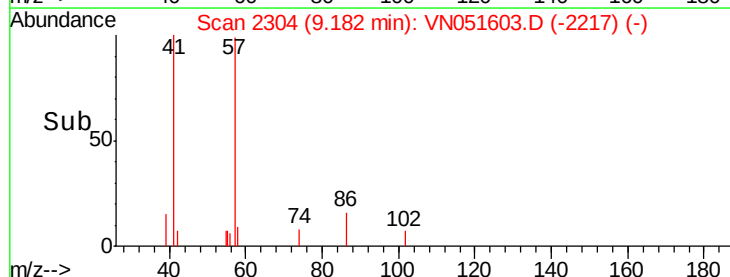
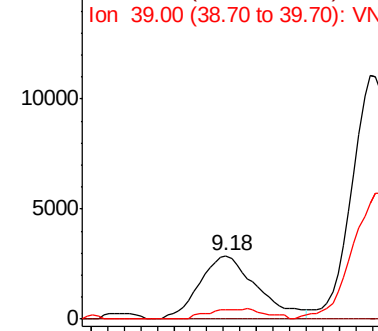
41 100

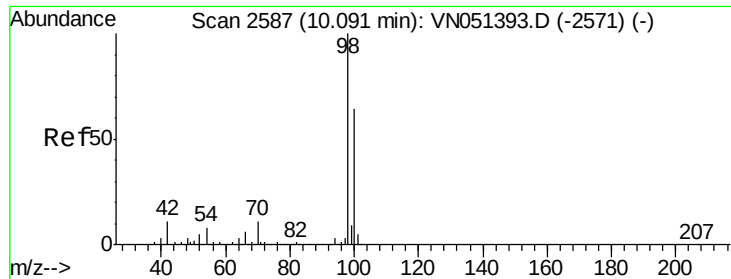
69 0.0 70.4 105.6#

39 16.0 43.8 65.8#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

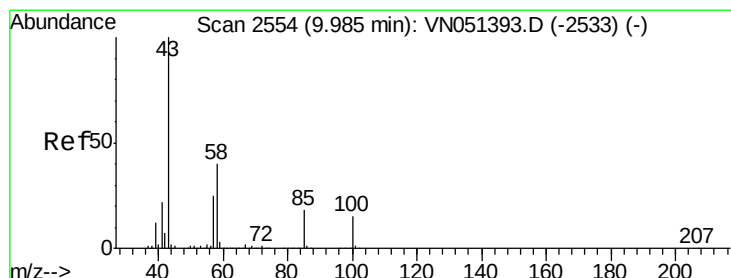
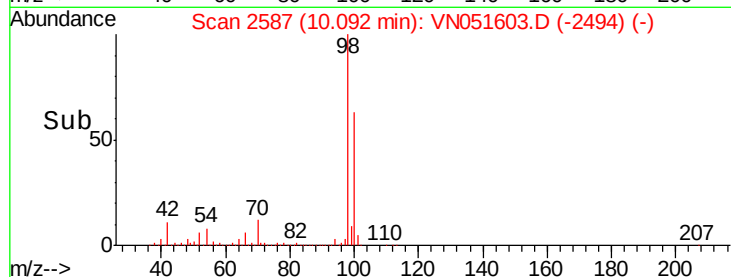
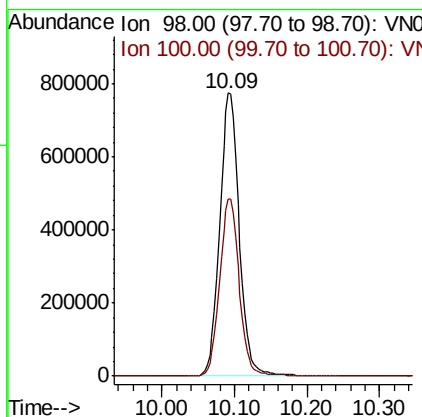
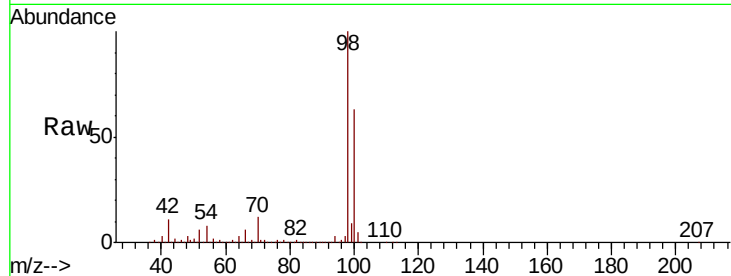




#50
Toluene-d8
Concen: 45.934 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051603.D
Acq: 27 Sep 2018 23:50

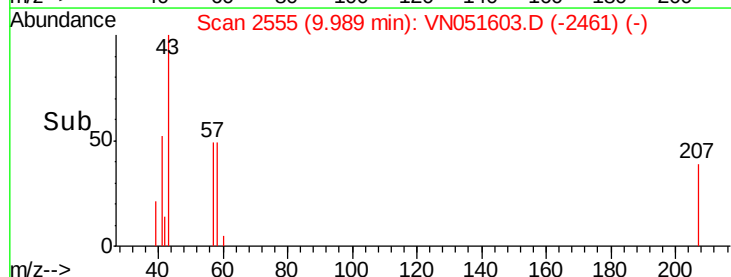
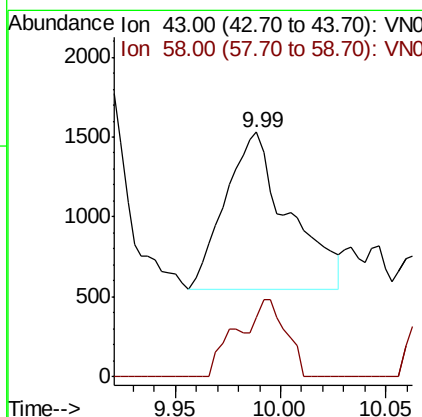
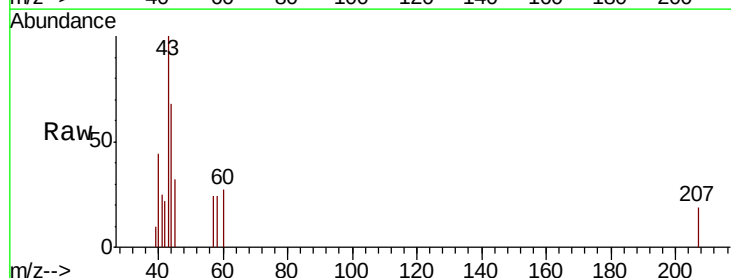
Instrument :
MSVOA_N
ClientSampled :
TP-4

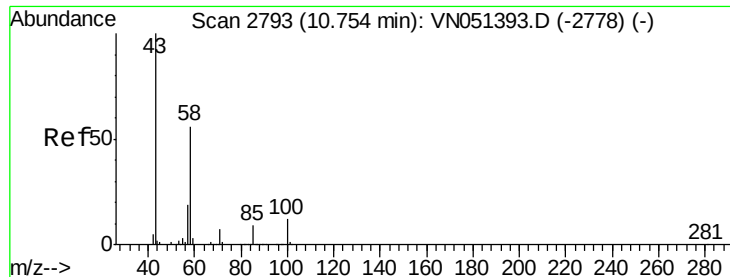
Tot Ion: 98 Resp: 1440557
Ion Ratio Lower Upper
98 100
100 62.9 50.6 75.8



#51
4-Methyl-2-Pentanone
Concen: 0.298 ug/l
RT: 9.99 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN051603.D
Acq: 27 Sep 2018 23:50

Tgt Ion: 43 Resp: 2053
Ion Ratio Lower Upper
43 100
58 37.2 31.5 47.3





#59

2-Hexanone

Concen: 2.907 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN051603.D

Acq: 27 Sep 2018 23:50

Instrument :

MSVOA_N

ClientSampleId :

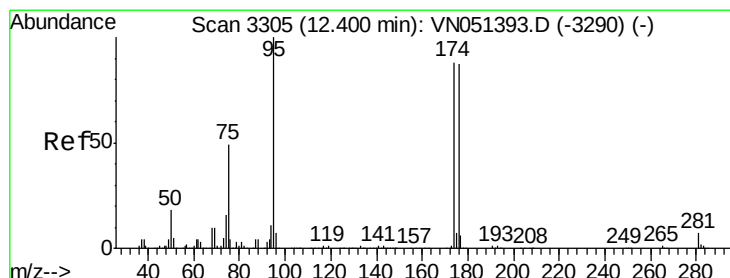
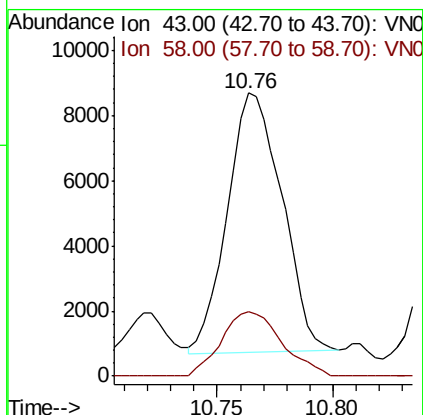
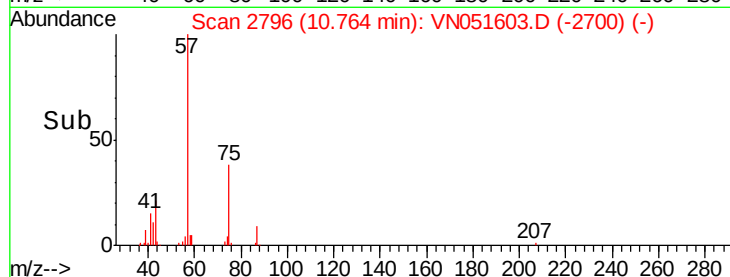
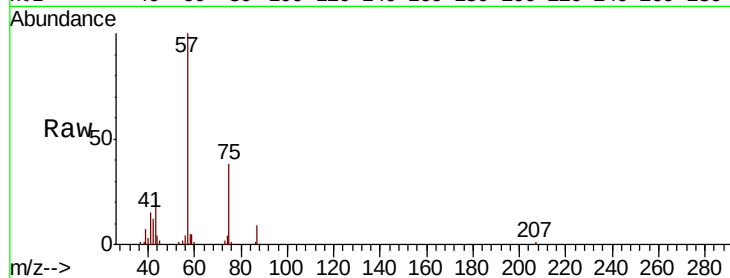
TP-4

Tot Ion: 43 Resp: 12996

Ion Ratio Lower Upper

43 100

58 27.6 27.7 83.0#



#62

4-Bromofluorobenzene

Concen: 38.977 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051603.D

Acq: 27 Sep 2018 23:50

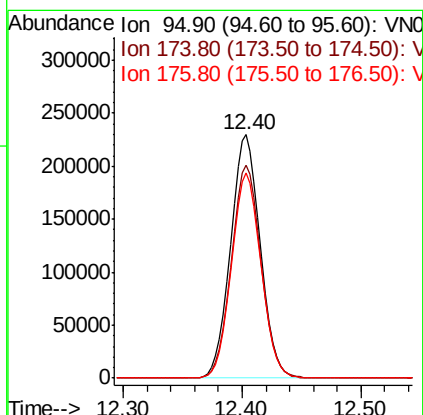
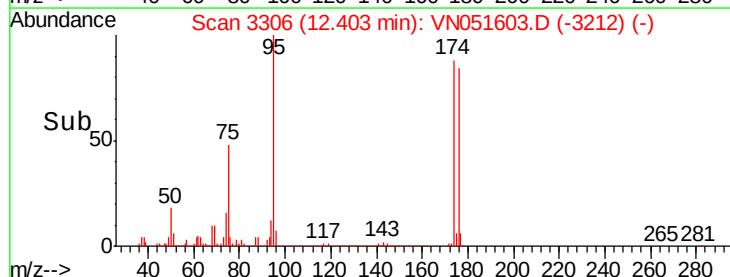
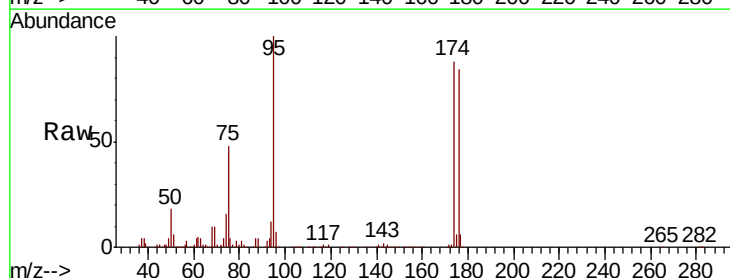
Tgt Ion: 95 Resp: 395444

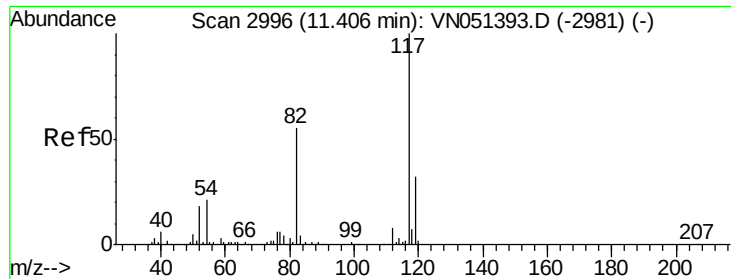
Ion Ratio Lower Upper

95 100

174 87.6 0.0 181.6

176 84.1 0.0 176.4

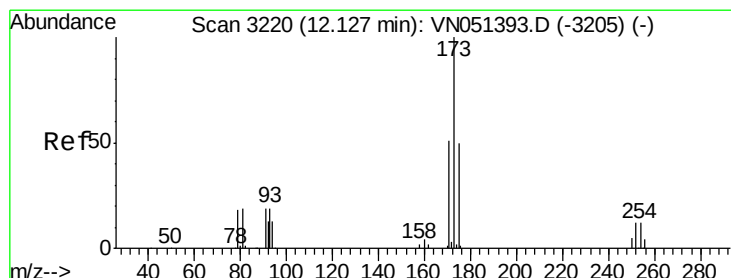
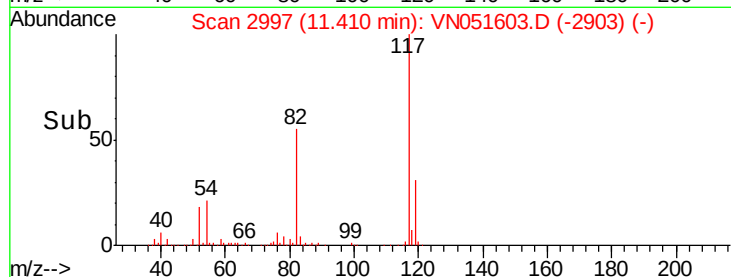
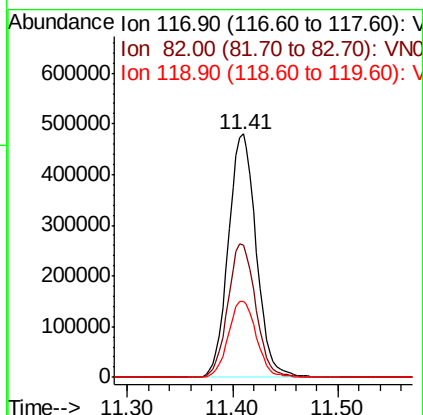
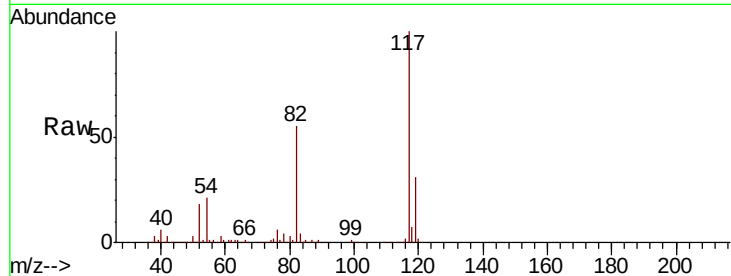




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051603.D
Acq: 27 Sep 2018 23:50

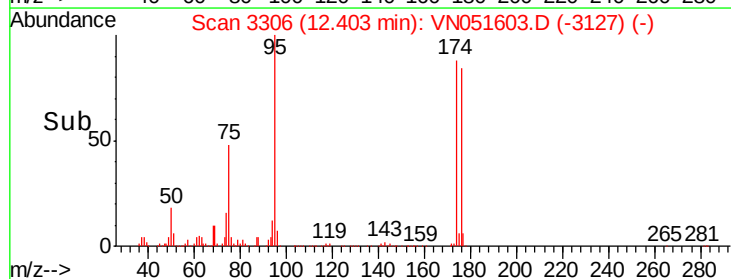
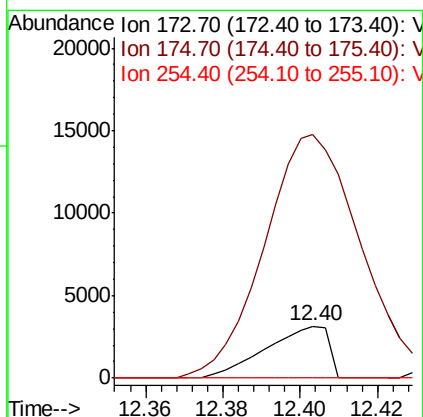
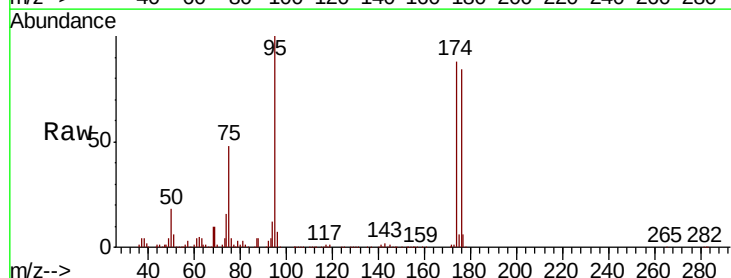
Instrument :
MSVOA_N
ClientSampleId :
TP-4

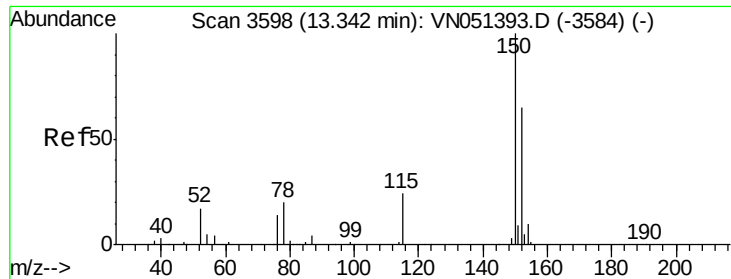
Tot Ion:117 Resp: 875847
Ion Ratio Lower Upper
117 100
82 54.5 44.2 66.2
119 31.3 25.9 38.9



#71
Bromoform
Concen: 0.612 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN051603.D
Acq: 27 Sep 2018 23:50

Tgt Ion:173 Resp: 3556
Ion Ratio Lower Upper
173 100
175 596.6 24.8 74.3#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051603.D

Acq: 27 Sep 2018 23:50

Instrument :

MSVOA_N

ClientSampleId :

TP-4

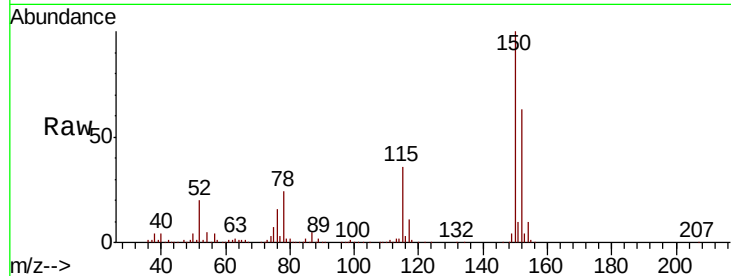
Tot Ion:152 Resp: 315934

Ion Ratio Lower Upper

152 100

115 56.6 28.3 84.9

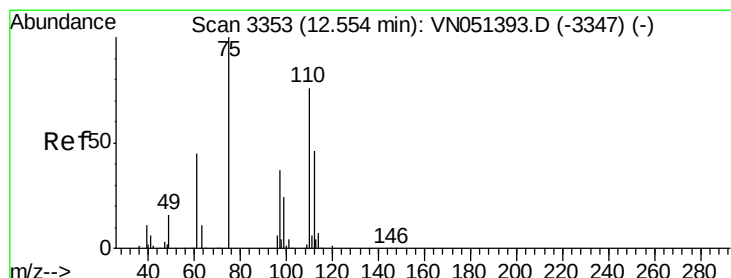
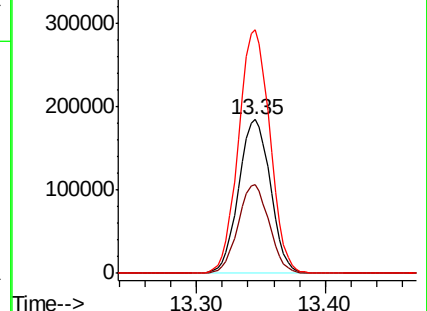
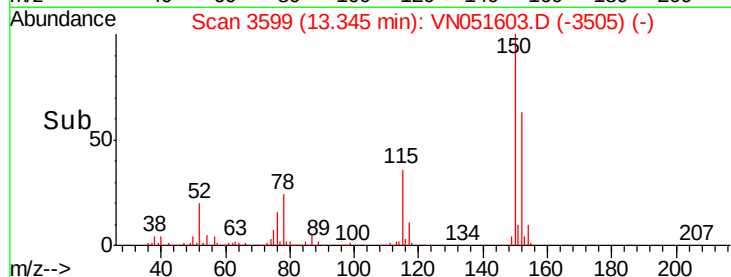
150 156.8 0.0 353.6



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



#76

1,2,3-Trichloropropane

Concen: 36.800 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051603.D

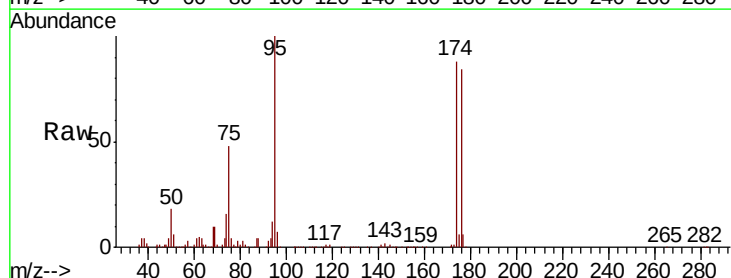
Acq: 27 Sep 2018 23:50

Tgt Ion: 75 Resp: 193008

Ion Ratio Lower Upper

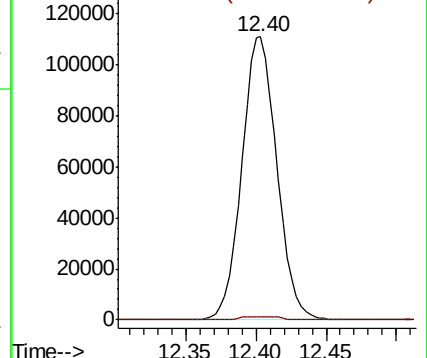
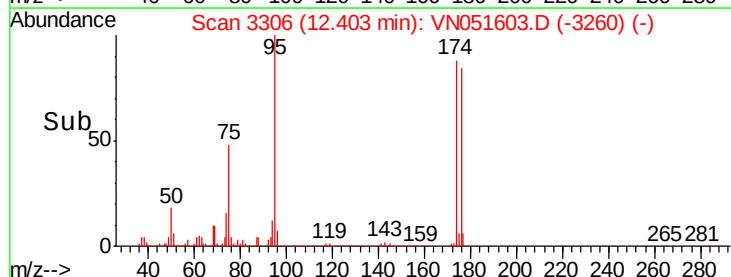
75 100

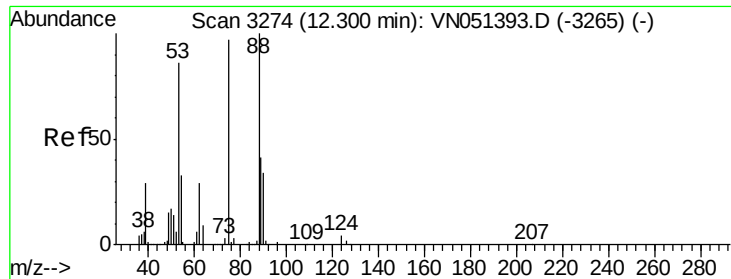
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 113.159 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051603.D

Acq: 27 Sep 2018 23:50

Instrument :

MSVOA_N

ClientSampled :

TP-4

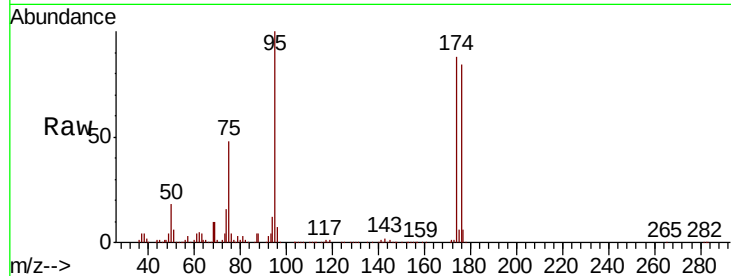
Tot Ion: 75 Resp: 193008

Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

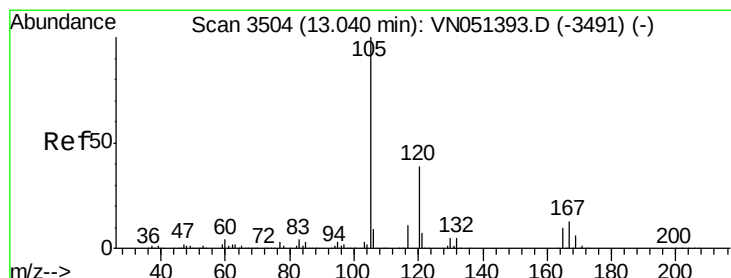
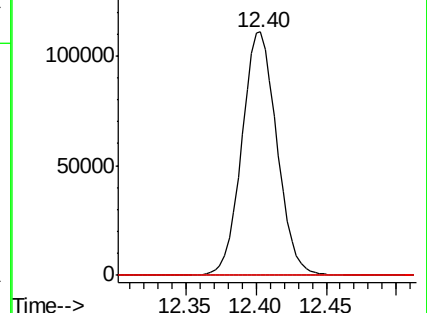
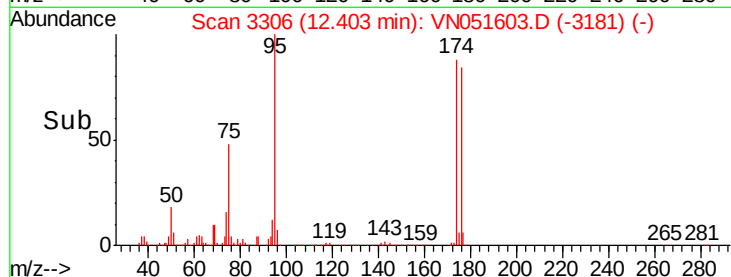
89 0.0 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VN051603.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN051603.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN051603.D (-3181) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.209 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN051603.D

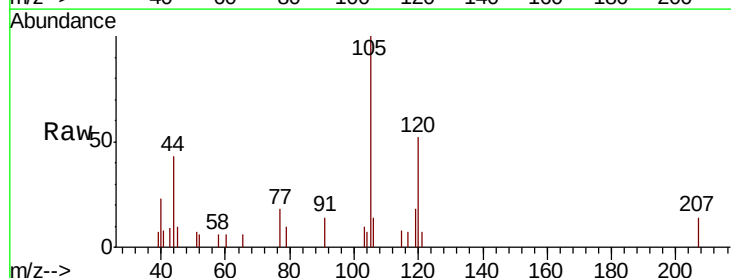
Acq: 27 Sep 2018 23:50

Tgt Ion: 105 Resp: 4572

Ion Ratio Lower Upper

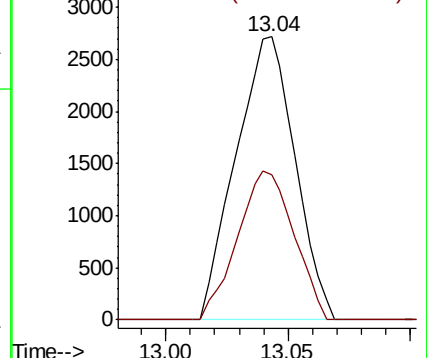
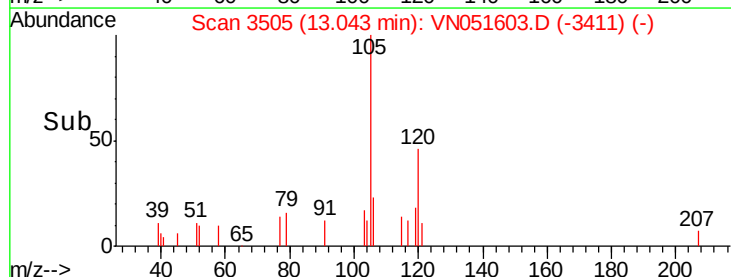
105 100

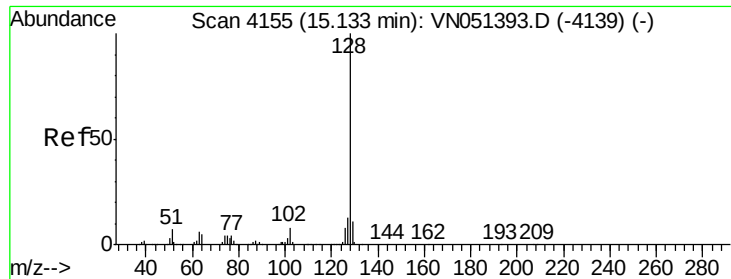
120 50.2 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): VN051603.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN051603.D (-3411) (-)





#95

Naphthalene

Concen: 9.079 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN051603.D

Acq: 27 Sep 2018 23:50

Instrument :

MSVOA_N

ClientSampleId :

TP-4

Tot Ion:128 Resp: 14490

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

129 11.5 8.6 12.8

