

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054561.D
 Acq On : 22 Mar 2019 16:42
 Operator : JC/SP
 Sample : K1965-04RE
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW311I-20190314

Quant Time: Mar 23 02:32:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	623188	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1001265	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	811148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	283772	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	434147	56.01	ug/l	0.00
Spiked Amount			Recovery	=	112.02%	
35) Dibromofluoromethane	7.59	113	337594	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	
50) Toluene-d8	10.09	98	1280143	52.79	ug/l	0.00
Spiked Amount			Recovery	=	105.58%	
62) 4-Bromofluorobenzene	12.40	95	379259	45.96	ug/l	0.00
Spiked Amount			Recovery	=	91.92%	

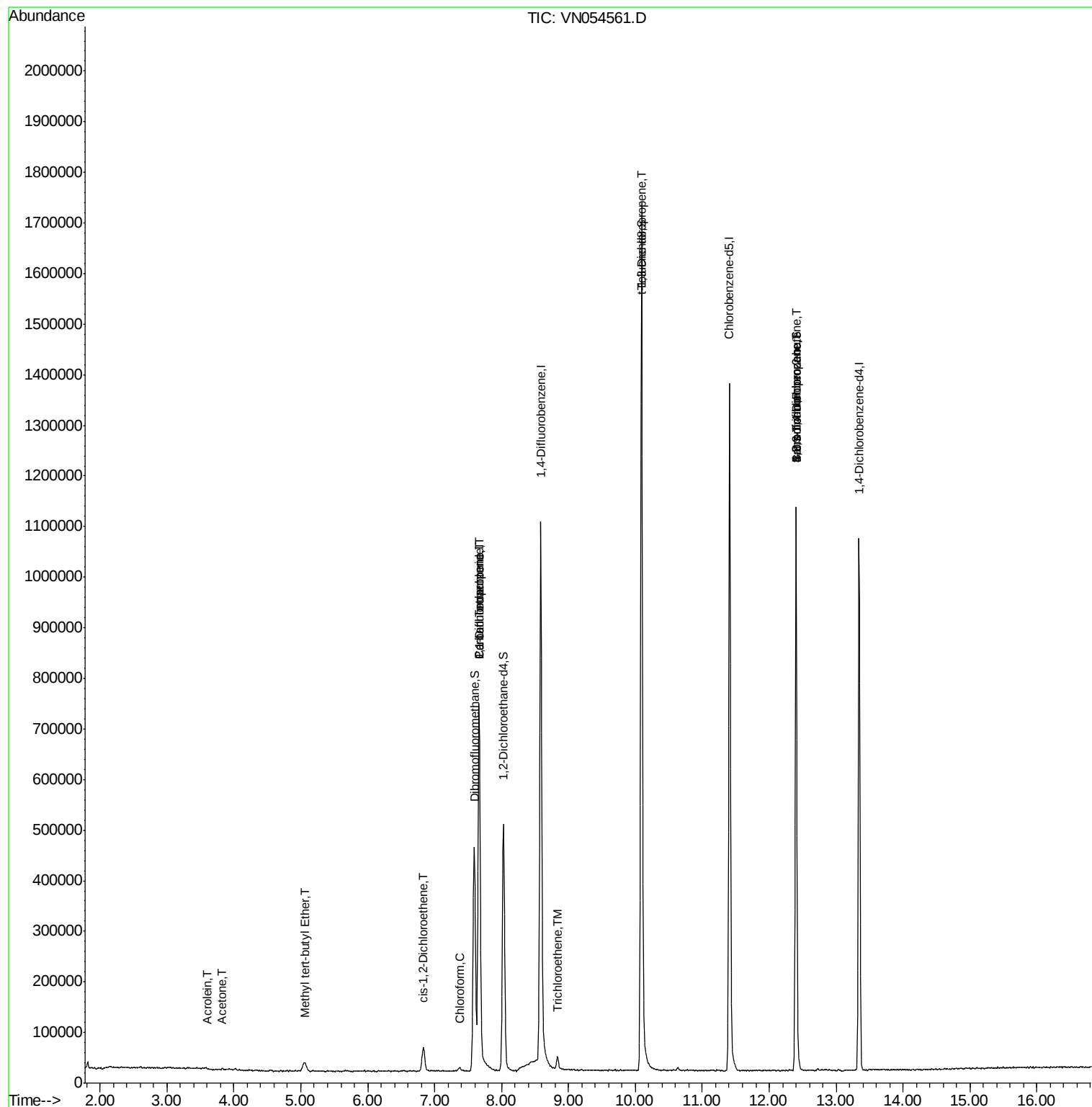
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	404	0.624	ug/l #	55
16) Acetone	3.83	43	1971	0.846	ug/l #	81
19) Methyl tert-butyl Ether	5.05	73	16097	0.918	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	29031	3.965	ug/l	93
30) Chloroform	7.37	83	6505	0.554	ug/l #	73
31) Cyclohexane	7.67	56	13396	Below Cal	#	6
36) 1,1-Dichloropropene	7.66	75	46694	4.988	ug/l #	47
38) Carbon Tetrachloride	7.67	117	59959	6.591	ug/l #	15
44) Trichloroethene	8.83	130	9851	1.324	ug/l	88
53) t-1,3-Dichloropropene	10.11	75	106	2.243	ug/l #	1
71) Bromoform	12.40	173	2860	2.890	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	195835	43.490	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	195835	143.585	ug/l #	11

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054561.D

Acq: 22 Mar 2019 16:42

Instrument :

MSVOA_N

ClientSampleId :

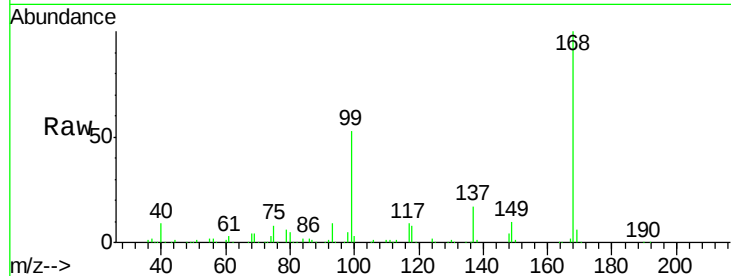
BPS1-TT-MW311I-20190314

Tot Ion:168 Resp: 623188

Ion Ratio Lower Upper

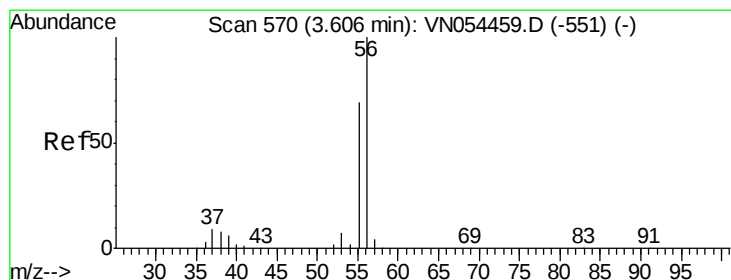
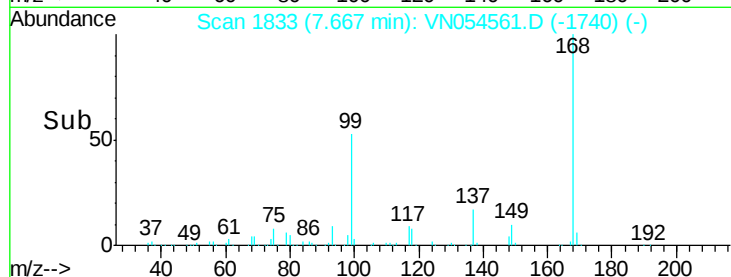
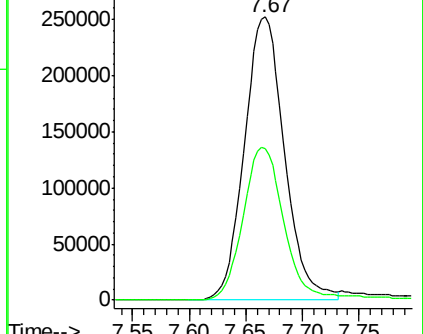
168 100

99 53.3 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#13

Acrolein

Concen: 0.624 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054561.D

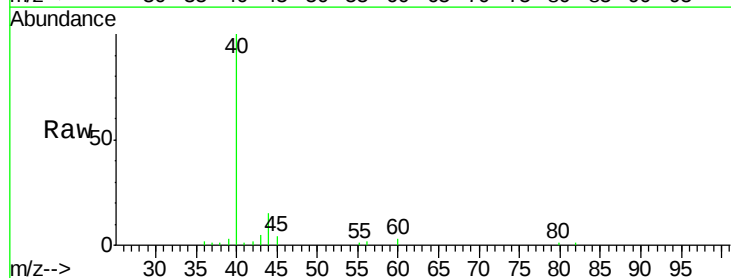
Acq: 22 Mar 2019 16:42

Tgt Ion: 56 Resp: 404

Ion Ratio Lower Upper

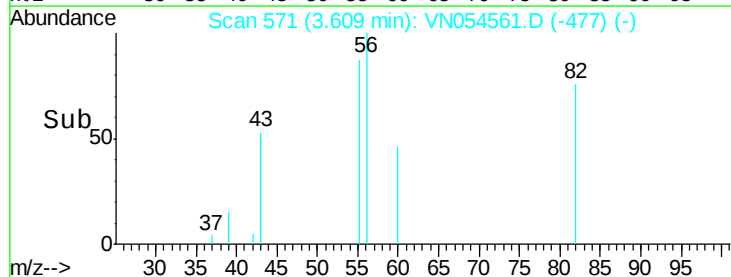
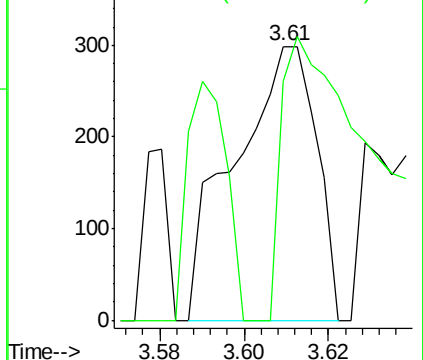
56 100

55 107.7 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO





#16

Acetone

Concen: 0.846 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN054561.D

Acq: 22 Mar 2019 16:42

Instrument :

MSVOA_N

ClientSampleId :

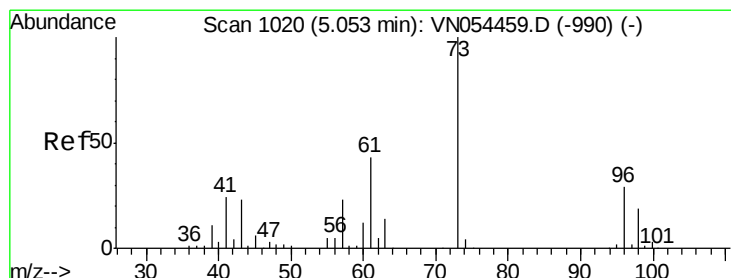
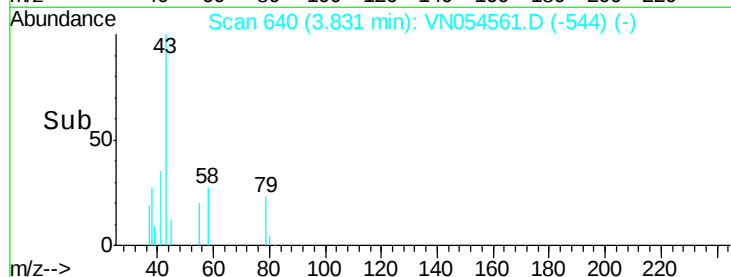
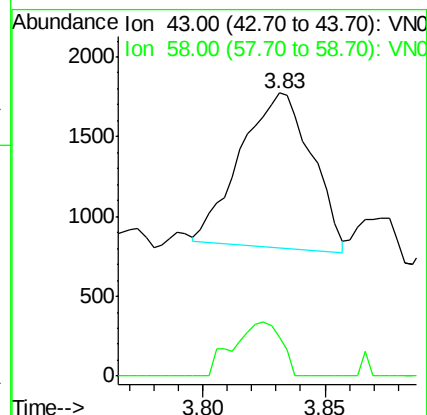
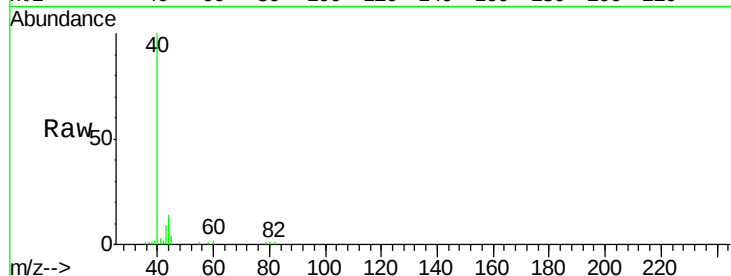
BPS1-TT-MW311I-20190314

Tot Ion: 43 Resp: 1971

Ion Ratio Lower Upper

43 100

58 25.8 29.9 44.9#



#19

Methyl tert-butyl Ether

Concen: 0.918 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VN054561.D

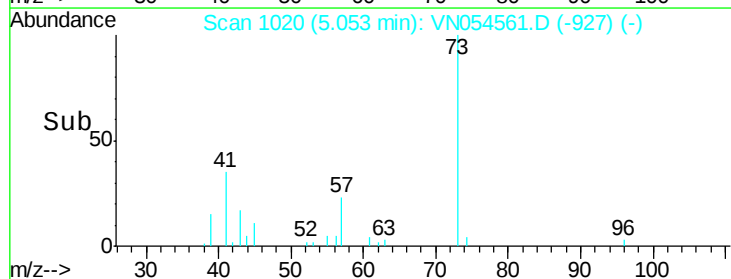
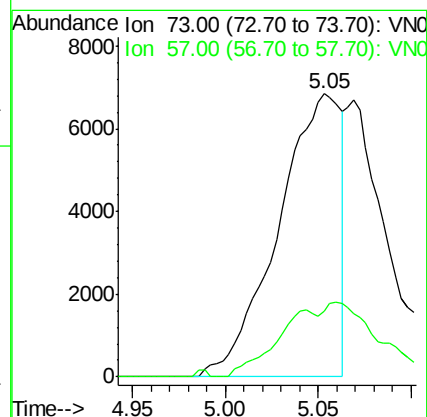
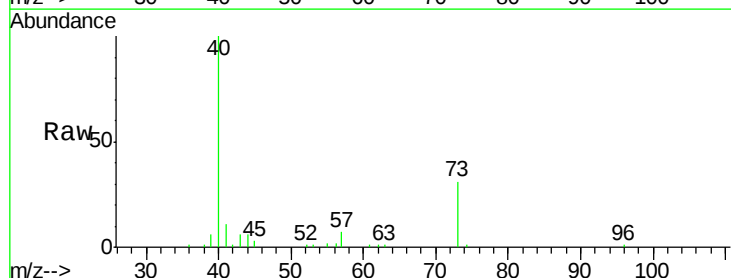
Acq: 22 Mar 2019 16:42

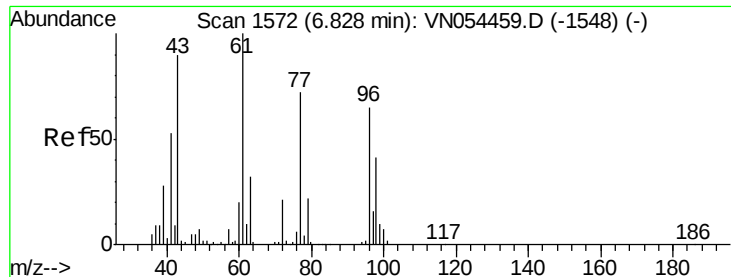
Tgt Ion: 73 Resp: 16097

Ion Ratio Lower Upper

73 100

57 23.4 16.8 25.2





#27

cis-1,2-Dichloroethene

Concen: 3.965 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN054561.D

Acq: 22 Mar 2019 16:42

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW311I-20190314

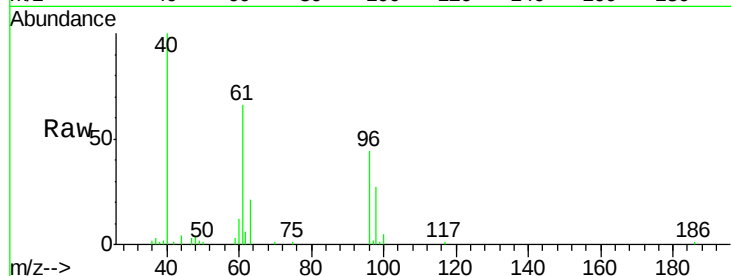
Tot Ion: 96 Resp: 29031

Ion Ratio Lower Upper

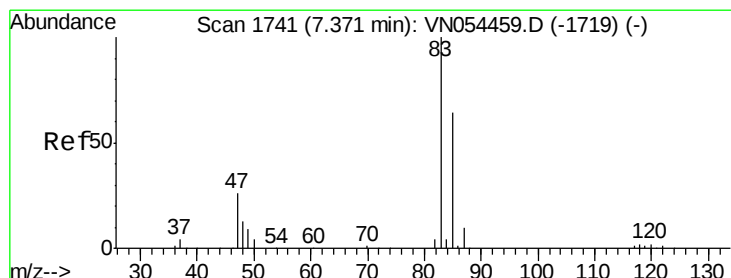
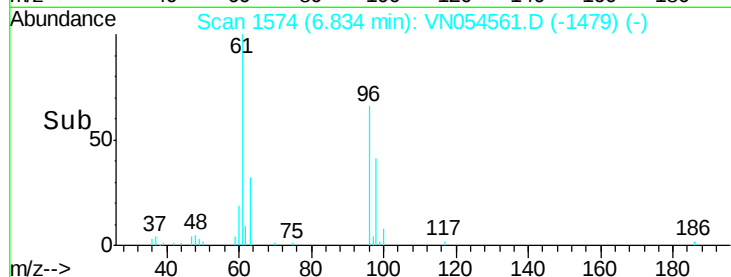
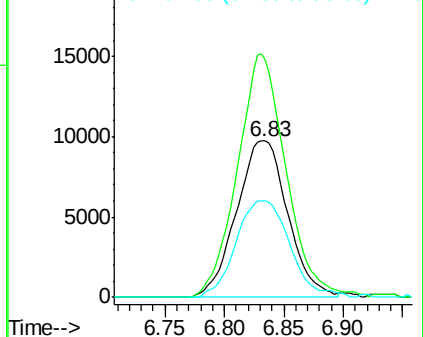
96 100

61 147.5 0.0 273.0

98 64.6 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#30

Chloroform

Concen: 0.554 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN054561.D

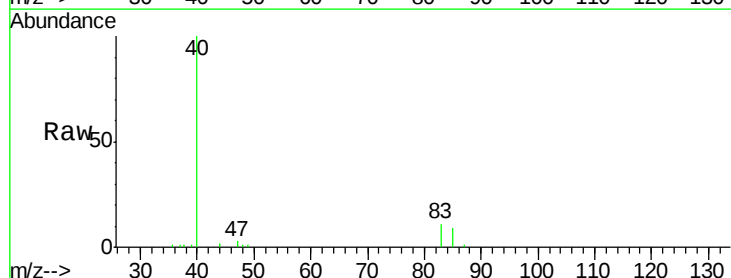
Acq: 22 Mar 2019 16:42

Tgt Ion: 83 Resp: 6505

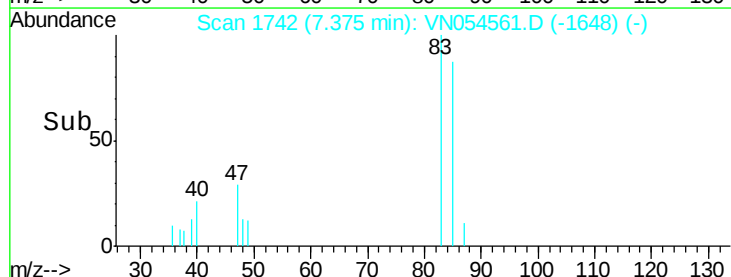
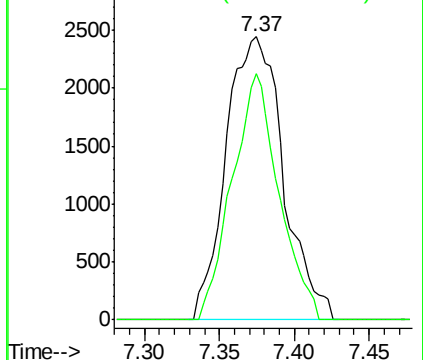
Ion Ratio Lower Upper

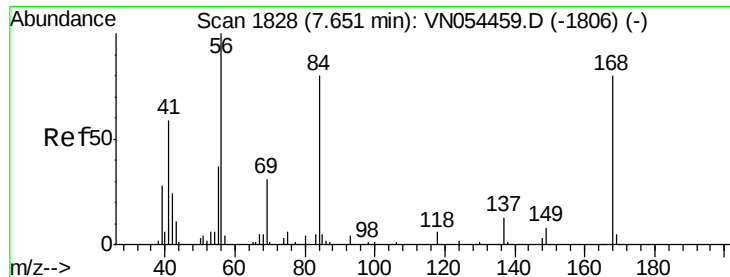
83 100

85 86.9 52.2 78.4#



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO





#31

Cyclohexane

Concen: Below Cal

RT: 7.67 min Scan# 1834

Delta R.T. 0.02 min

Lab File: VN054561.D

Acq: 22 Mar 2019 16:42

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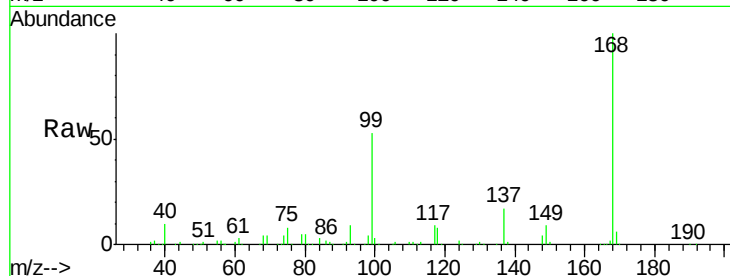
Tot Ion: 56 Resp: 13396

Ion Ratio Lower Upper

56 100

69 181.7 27.8 41.6#

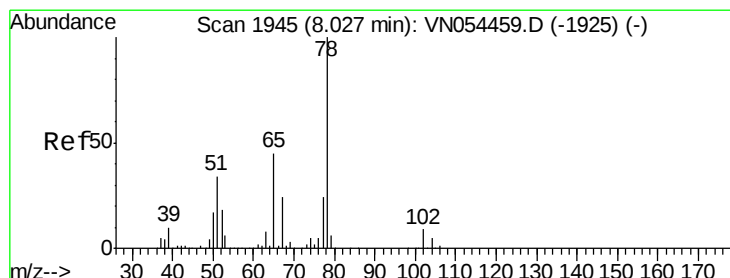
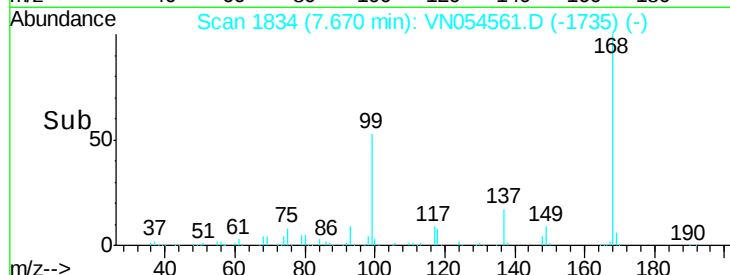
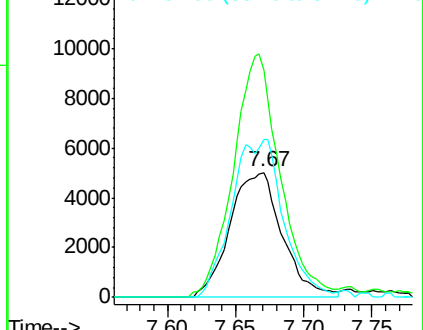
84 126.4 74.6 111.8#



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: 56.008 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054561.D

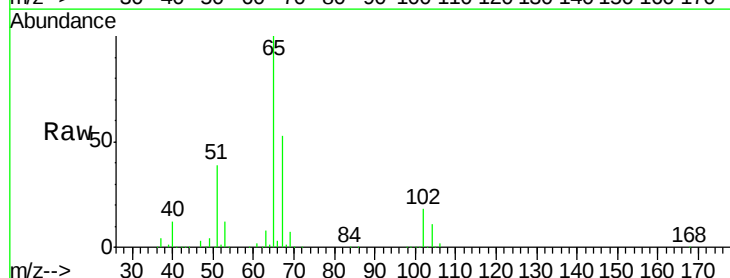
Acq: 22 Mar 2019 16:42

Tgt Ion: 65 Resp: 434147

Ion Ratio Lower Upper

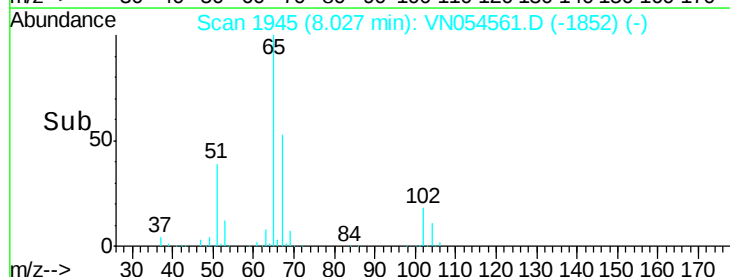
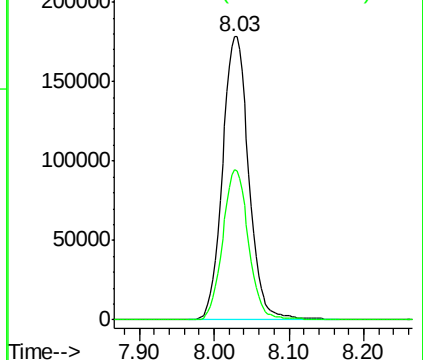
65 100

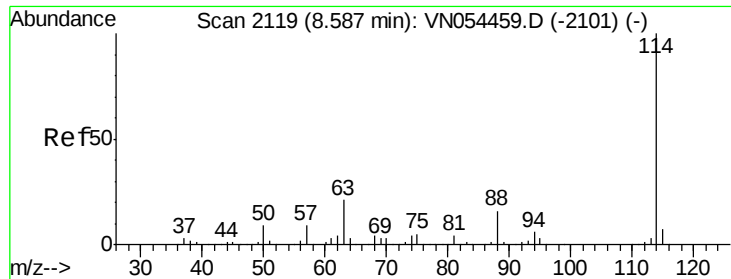
67 52.3 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

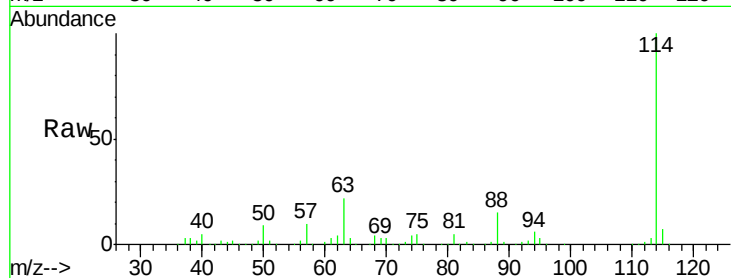




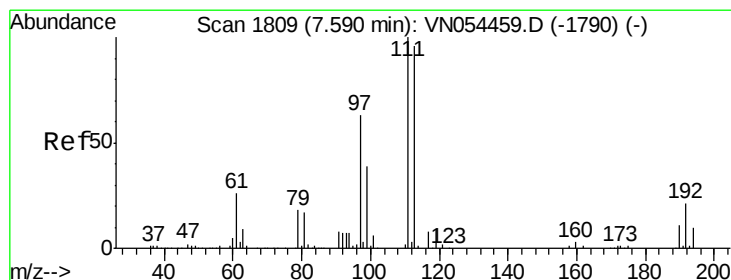
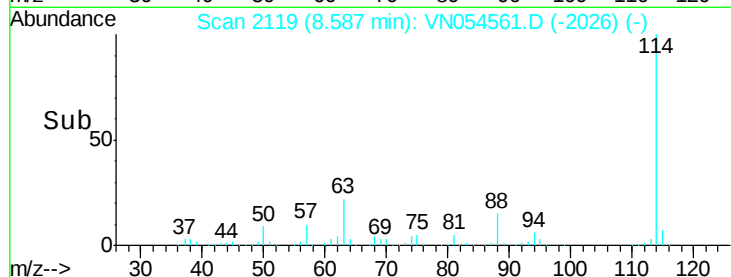
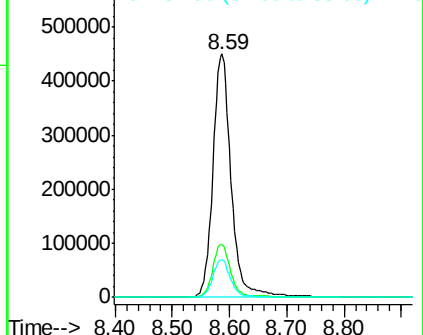
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054561.D
 Acq: 22 Mar 2019 16:42

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Tot Ion:114 Resp: 1001265
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 35.2
 88 15.5 0.0 30.2

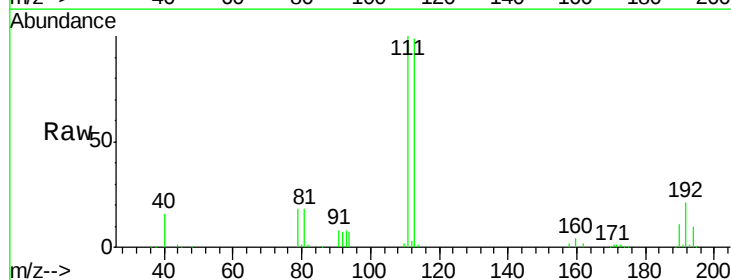


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

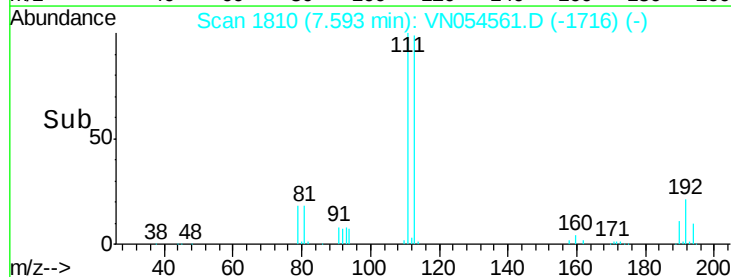
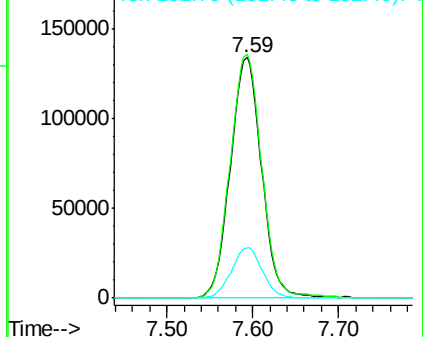


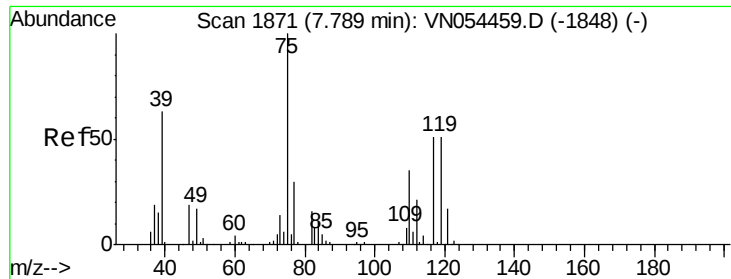
#35
 Dibromofluoromethane
 Concen: 52.335 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054561.D
 Acq: 22 Mar 2019 16:42

Tgt Ion:113 Resp: 337594
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.2 123.4
 192 20.7 19.2 28.8



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

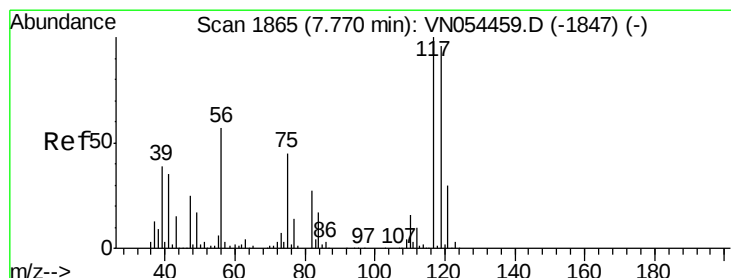
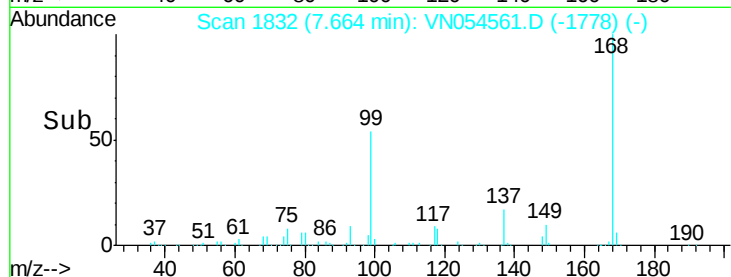
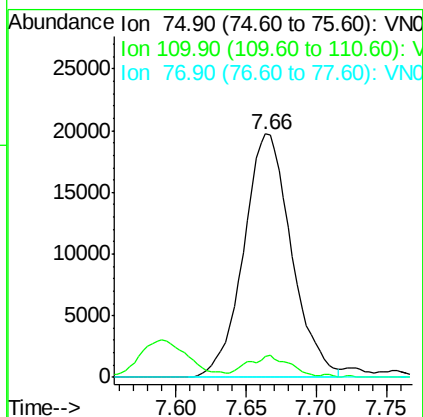
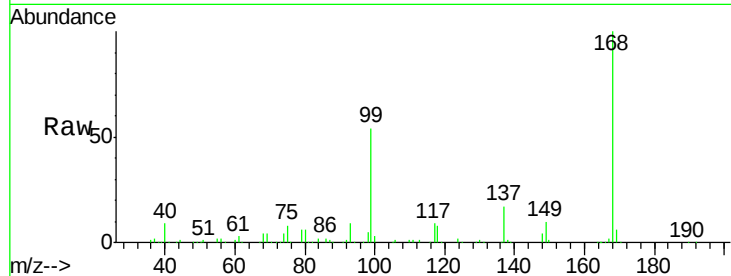




#36
 1,1-Dichloropropene
 Concen: 4.988 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054561.D
 Acq: 22 Mar 2019 16:42

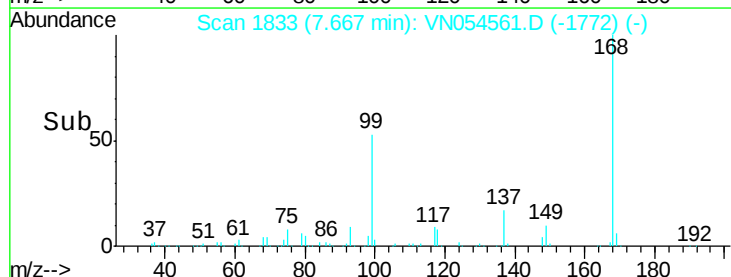
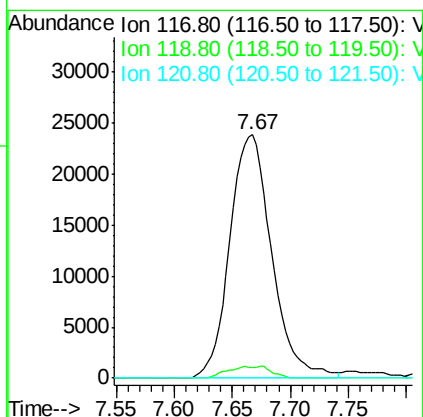
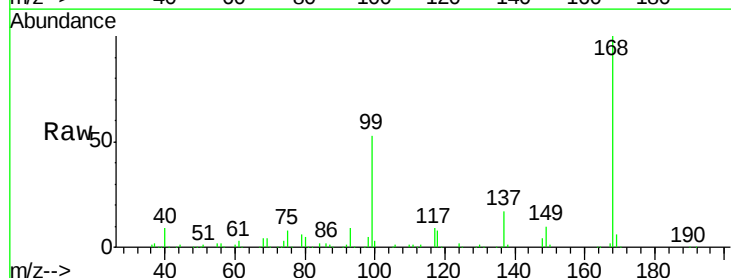
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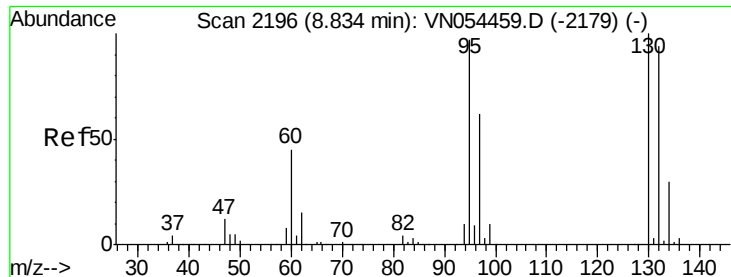
Tot Ion: 75 Resp: 46694
 Ion Ratio Lower Upper
 75 100
 110 8.0 19.1 57.5#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.591 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.10 min
 Lab File: VN054561.D
 Acq: 22 Mar 2019 16:42

Tgt Ion: 117 Resp: 59959
 Ion Ratio Lower Upper
 117 100
 119 4.2 76.3 114.5#
 121 0.0 24.6 36.8#

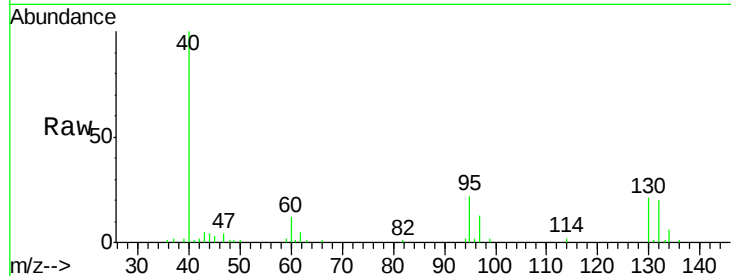




#44
 Trichloroethene
 Concen: 1.324 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN054561.D
 Acq: 22 Mar 2019 16:42

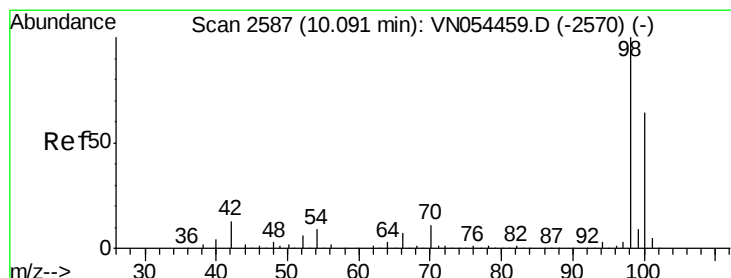
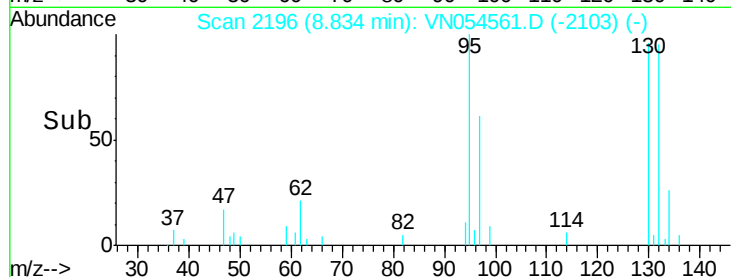
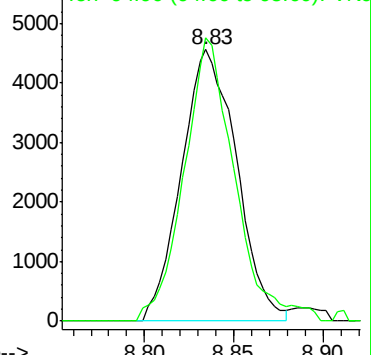
Instrument :
 MSVOA_N
 ClientSampleId :
 BPS1-TT-MW311I-20190314

Tot Ion:130 Resp: 9851
 Ion Ratio Lower Upper
 130 100
 95 104.3 0.0 185.2



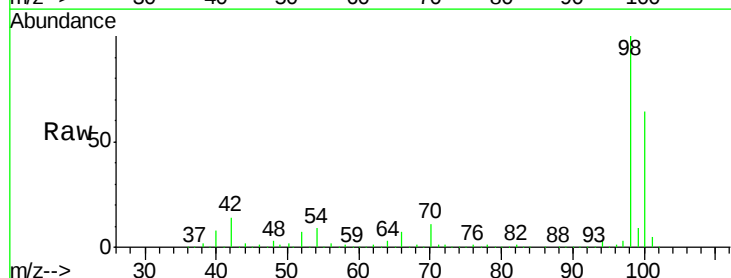
Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



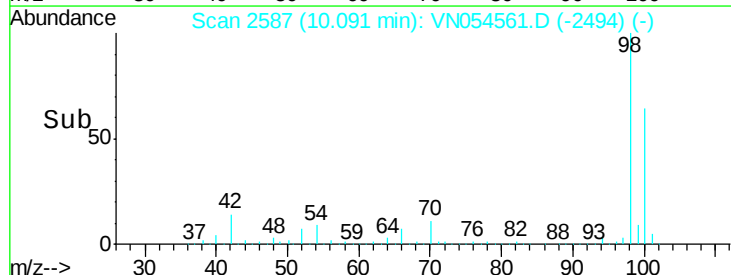
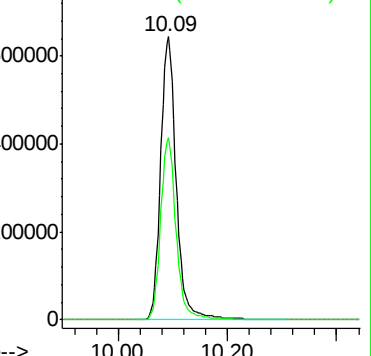
#50
 Toluene-d8
 Concen: 52.788 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN054561.D
 Acq: 22 Mar 2019 16:42

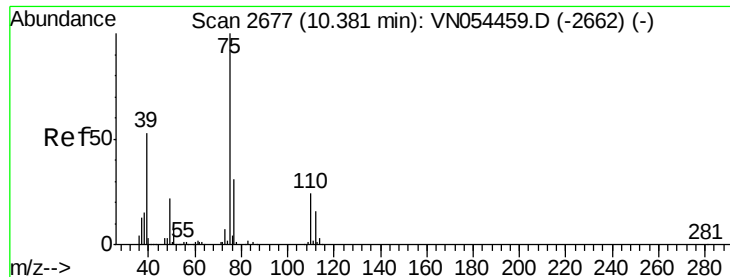
Tgt Ion: 98 Resp: 1280143
 Ion Ratio Lower Upper
 98 100
 100 63.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#53

t-1,3-Dichloropropene

Concen: 2.243 ug/l

RT: 10.11 min Scan# 2592

Delta R.T. -0.27 min

Lab File: VN054561.D

Acq: 22 Mar 2019 16:42

Instrument :

MSVOA_N

ClientSampleId :

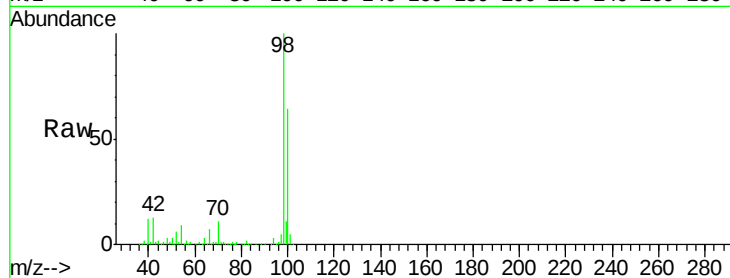
BPS1-TT-MW311I-20190314

Tot Ion: 75 Resp: 106

Ion Ratio Lower Upper

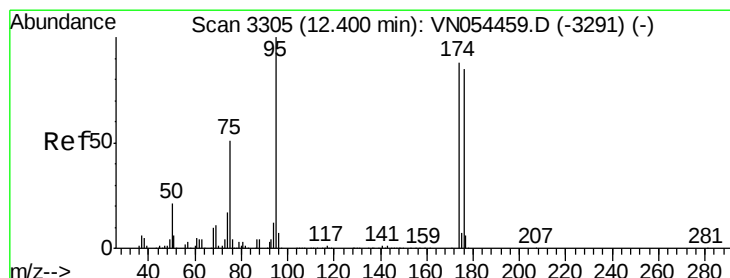
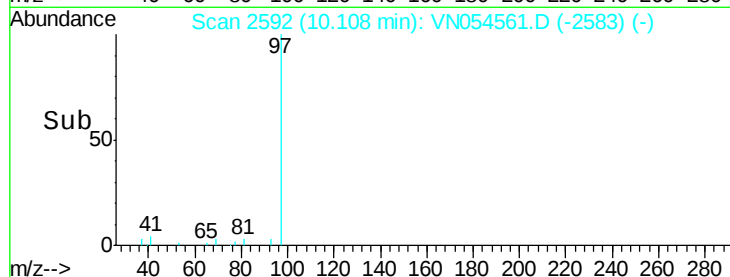
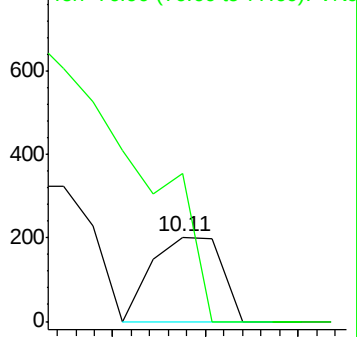
75 100

77 175.2 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#62

4-Bromofluorobenzene

Concen: 45.960 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054561.D

Acq: 22 Mar 2019 16:42

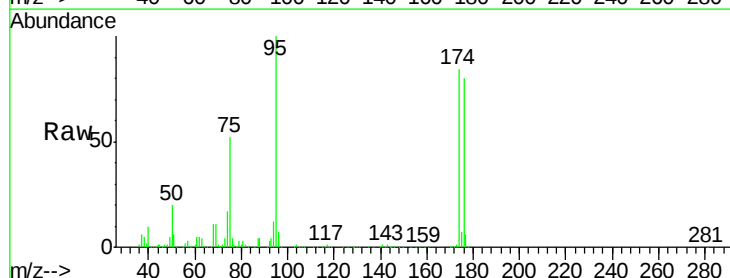
Tgt Ion: 95 Resp: 379259

Ion Ratio Lower Upper

95 100

174 85.4 0.0 191.0

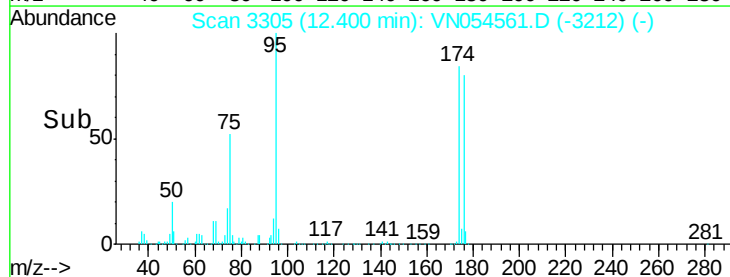
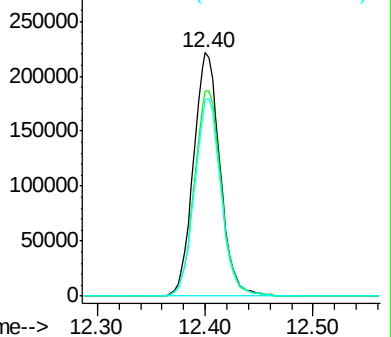
176 81.1 0.0 187.4

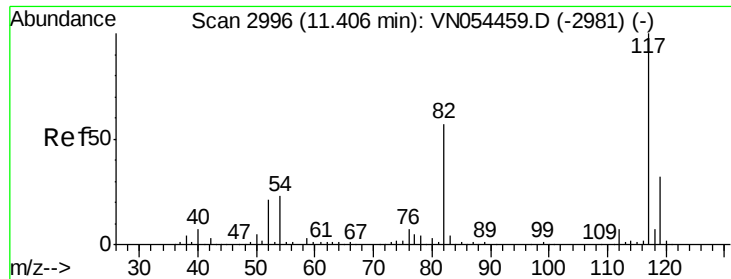


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

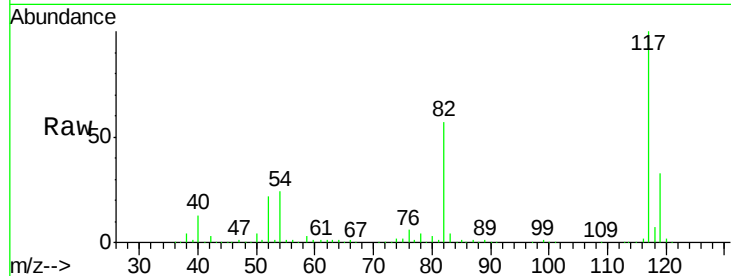




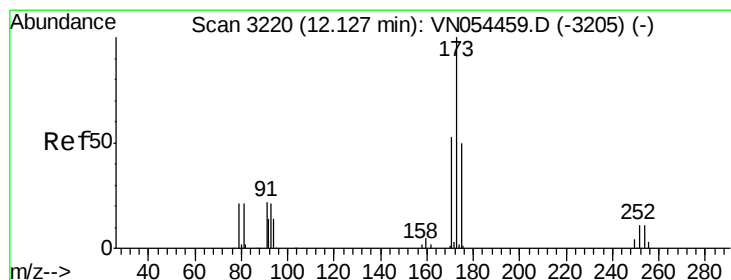
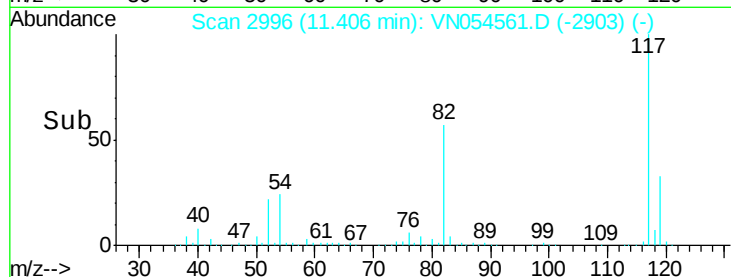
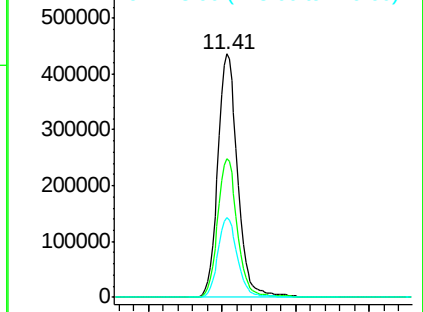
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054561.D
Acq: 22 Mar 2019 16:42

Instrument :
MSVOA_N
ClientSampleId :
BPS1-TT-MW311I-20190314

Tot Ion:117 Resp: 811148
Ion Ratio Lower Upper
117 100
82 57.2 40.0 60.0
119 32.6 25.8 38.6

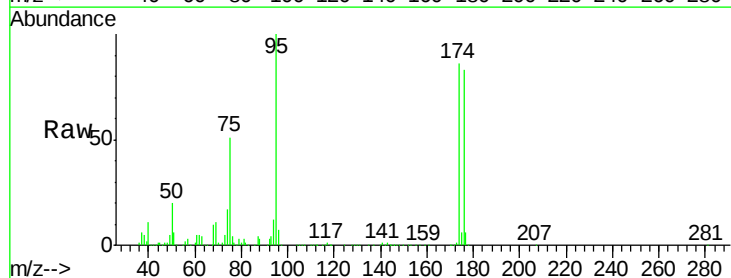


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

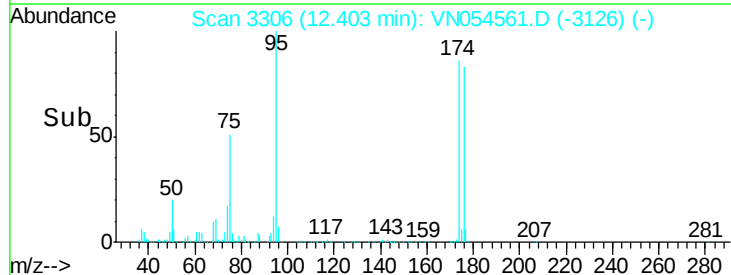
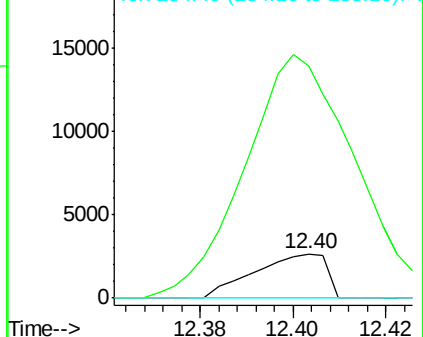


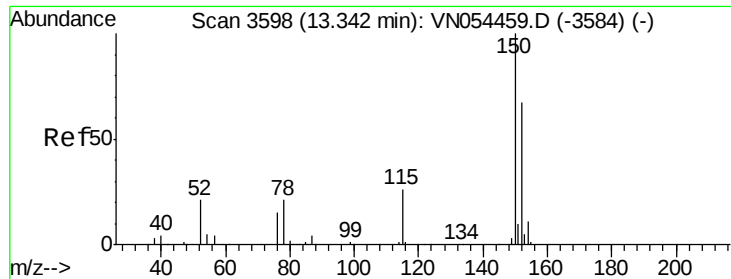
#71
Bromoform
Concen: 2.890 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN054561.D
Acq: 22 Mar 2019 16:42

Tgt Ion:173 Resp: 2860
Ion Ratio Lower Upper
173 100
175 728.8 24.4 73.2#
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054561.D

Acq: 22 Mar 2019 16:42

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW311I-20190314

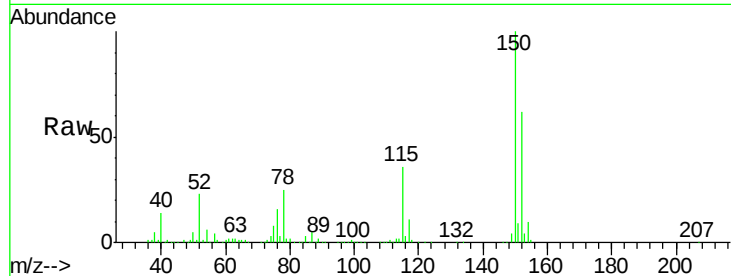
Tot Ion:152 Resp: 283772

Ion Ratio Lower Upper

152 100

115 58.4 27.2 81.6

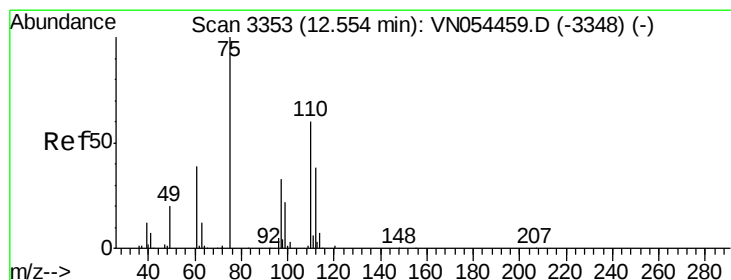
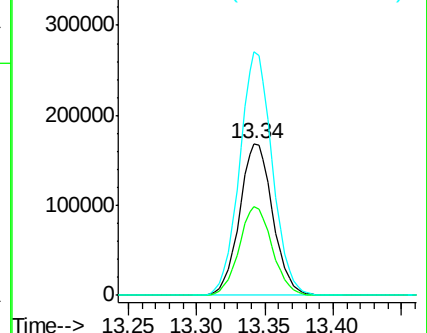
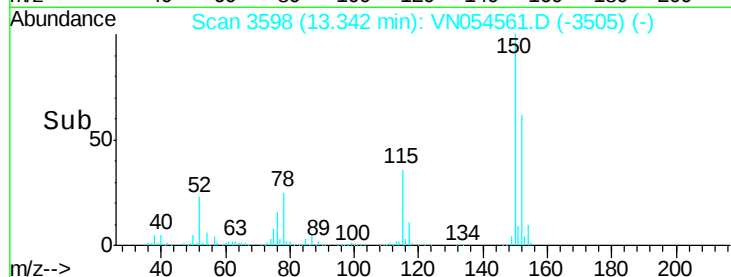
150 158.4 0.0 349.2



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: 43.490 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054561.D

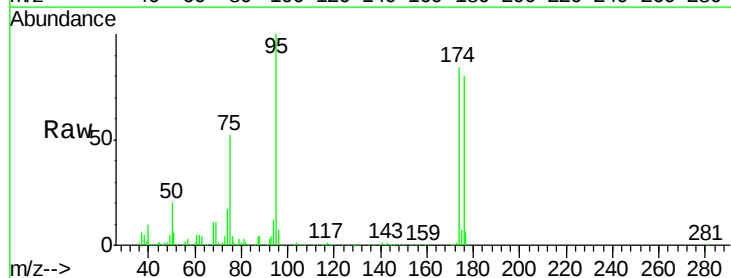
Acq: 22 Mar 2019 16:42

Tgt Ion: 75 Resp: 195835

Ion Ratio Lower Upper

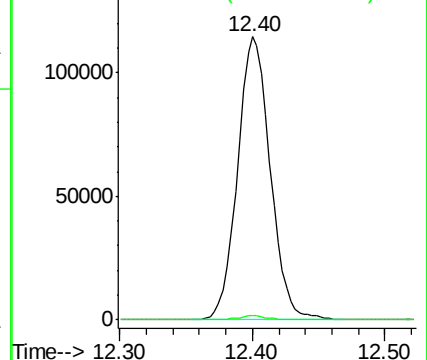
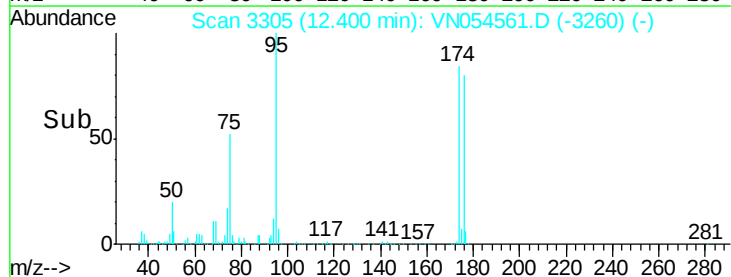
75 100

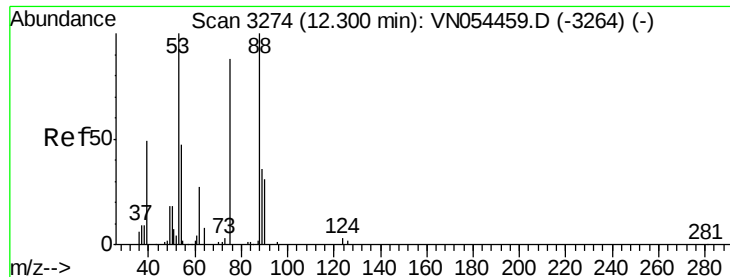
77 1.3 0.0 0.0#



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: 143.585 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054561.D

Acq: 22 Mar 2019 16:42

Instrument :

MSVOA_N

ClientSampleId :

BPS1-TT-MW311I-20190314

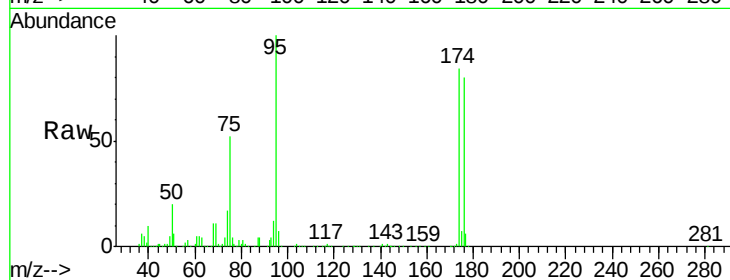
Tot Ion: 75 Resp: 195835

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#



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

