

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057044.D
 Acq On : 1 Aug 2019 17:54
 Operator : JC/SP
 Sample : K4097-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500RE

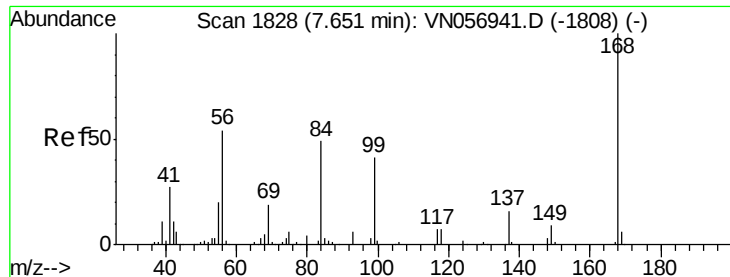
Quant Time: Aug 02 05:15:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	562451	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	823628	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	674665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	181521	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	339109	58.90	ug/l	0.00
Spiked Amount			Recovery	=	117.80%	
35) Dibromofluoromethane	7.58	113	309965	58.79	ug/l	0.00
Spiked Amount			Recovery	=	117.58%	
50) Toluene-d8	10.08	98	1155690	57.48	ug/l	0.00
Spiked Amount			Recovery	=	114.96%	
62) 4-Bromofluorobenzene	12.40	95	295375	45.13	ug/l	0.00
Spiked Amount			Recovery	=	90.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.77	59	164	0.211	ug/l #	74
16) Acetone	3.81	43	5016	2.405	ug/l	90
18) Methyl Acetate	4.33	43	2238	0.336	ug/l #	56
31) Cyclohexane	7.66	56	7875	0.832	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	35218	4.859	ug/l #	49
38) Carbon Tetrachloride	7.66	117	47878	6.984	ug/l #	17
43) Isopropyl Acetate	8.23	43	4640	0.484	ug/l #	52
59) 2-Hexanone	10.75	43	259	2.558	ug/l #	23
75) 1,1,2,2-Tetrachloroethane	12.39	83	59	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	136578	37.049	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	136578	119.038	ug/l #	15

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057044.D

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MSVOA_N

ClientSampleId :

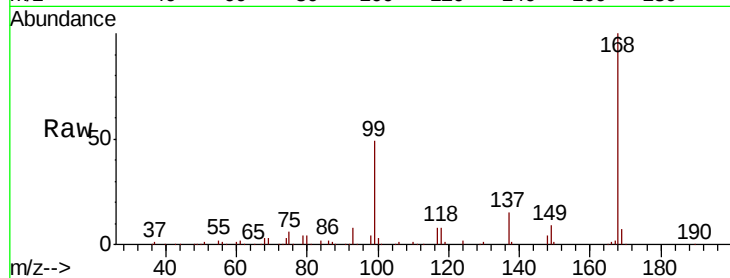
BP-VPB203-GW-498-500RE

Tot Ion:168 Resp: 562451

Ion Ratio Lower Upper

168 100

99 48.8 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): VN057044.D (-1735) (-)

Ion 98.90 (98.60 to 99.60): VN057044.D (-1735) (-)

7.65

250000

200000

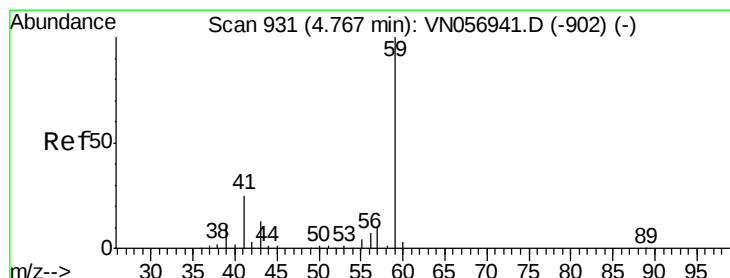
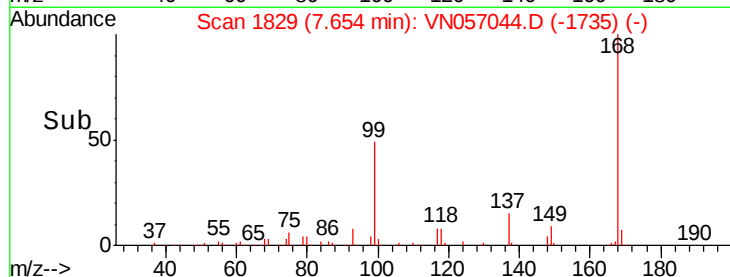
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.211 ug/l

RT: 4.77 min Scan# 933

Delta R.T. 0.01 min

Lab File: VN057044.D

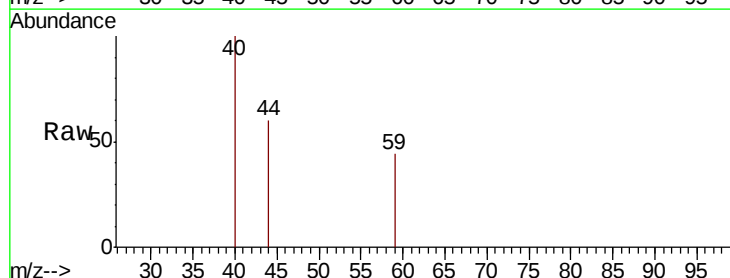
Acq: 1 Aug 2019 17:54

Tgt Ion: 59 Resp: 164

Ion Ratio Lower Upper

59 100

57 0.0 7.5 11.3#



Abundance Ion 59.00 (58.70 to 59.70): VN057044.D (-838) (-)

Ion 57.00 (56.70 to 57.70): VN057044.D (-838) (-)

4.77

250

200

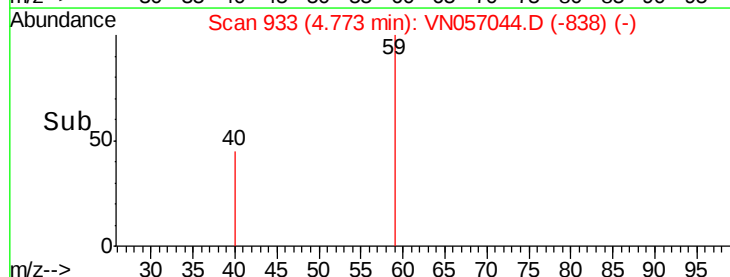
150

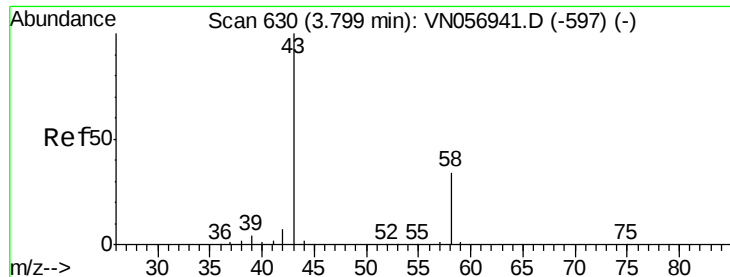
100

50

0

Time-->





#16

Acetone

Concen: 2.405 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.01 min

Lab File: VN057044.D

Acq: 1 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

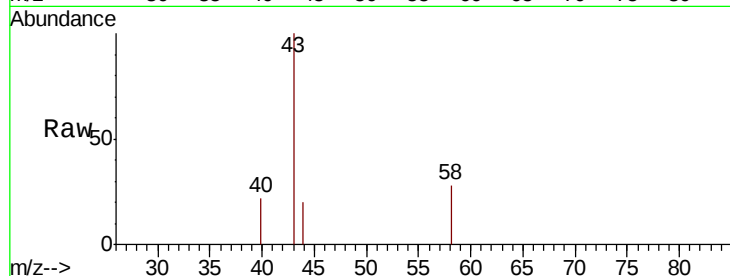
BP-VPB203-GW-498-500RE

Tot Ion: 43 Resp: 5016

Ion Ratio Lower Upper

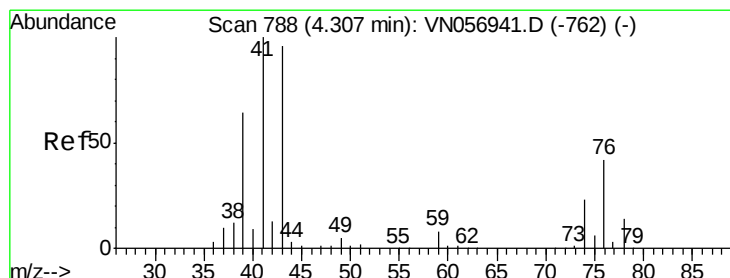
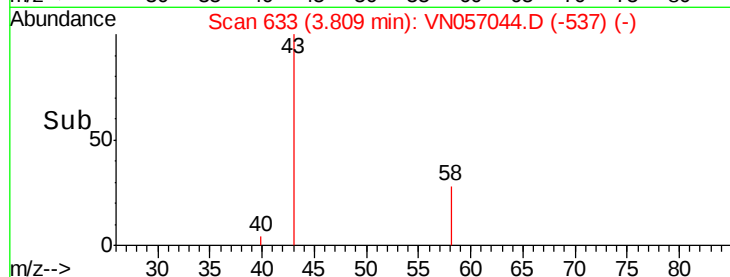
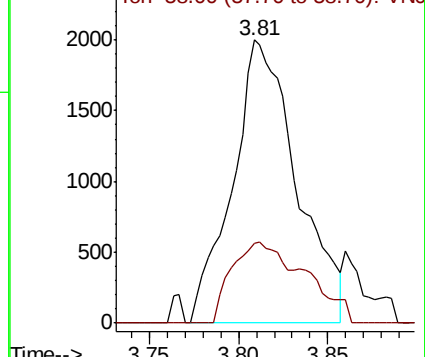
43 100

58 28.0 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.336 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.02 min

Lab File: VN057044.D

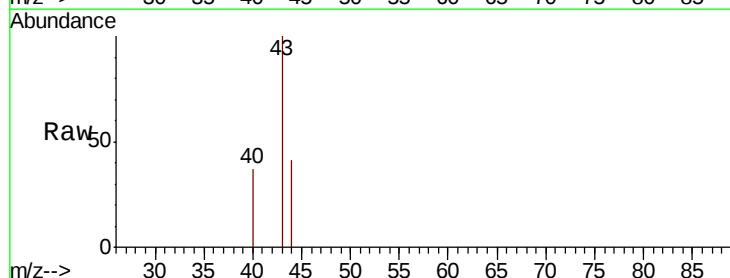
Acq: 1 Aug 2019 17:54

Tgt Ion: 43 Resp: 2238

Ion Ratio Lower Upper

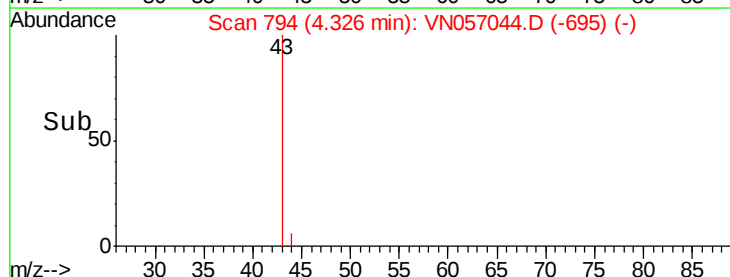
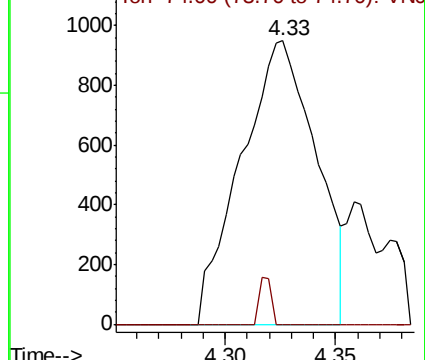
43 100

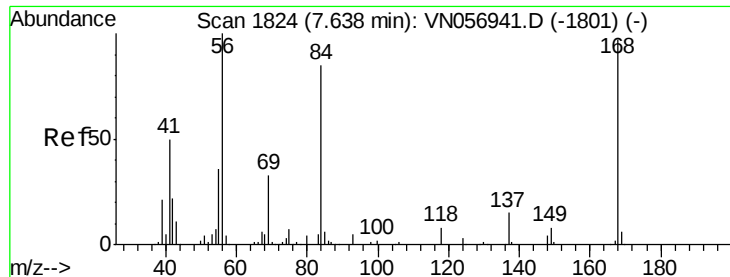
74 2.7 19.7 29.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

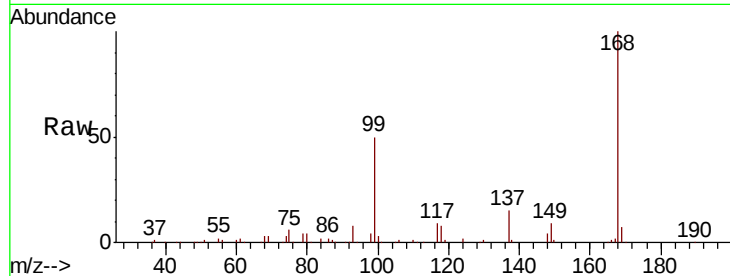




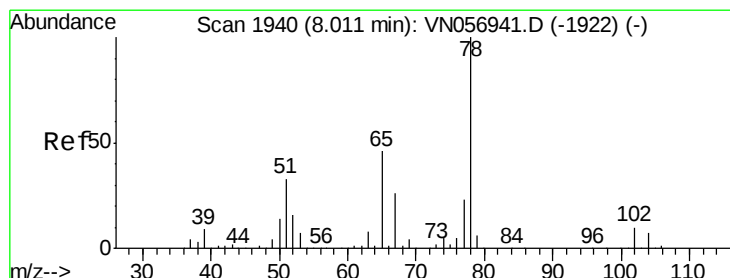
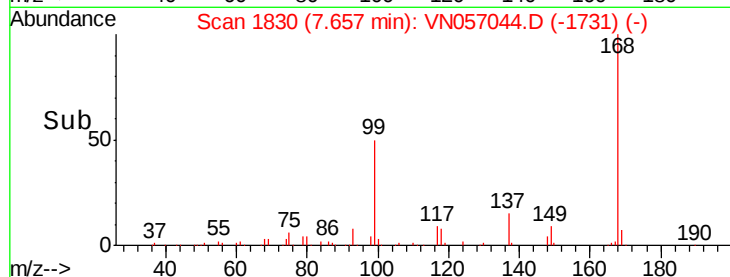
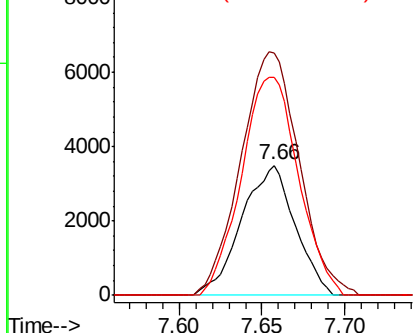
#31
Cyclohexane
Concen: 0.832 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.02 min
Lab File: VN057044.D
Acq: 1 Aug 2019 17:54

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-GW-498-500RE

Tot Ion: 56 Resp: 7875
Ion Ratio Lower Upper
56 100
69 185.8 26.2 39.2#
84 167.4 68.2 102.2#

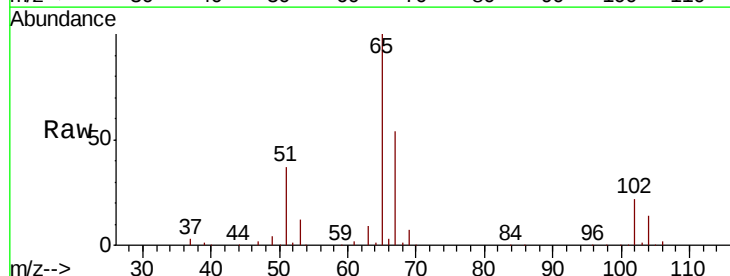


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

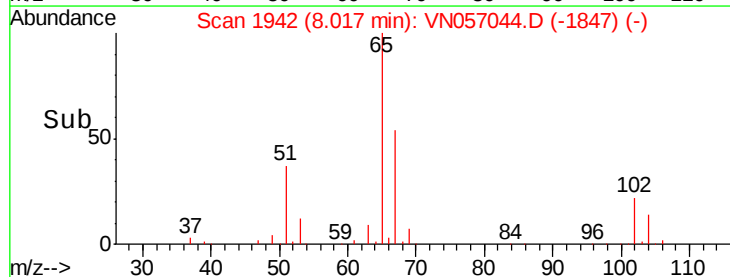
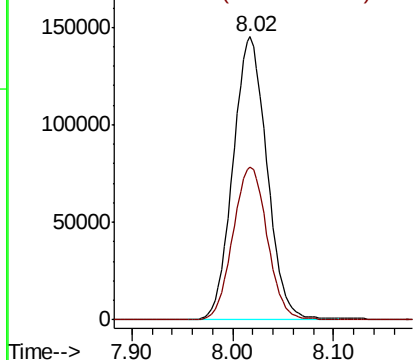


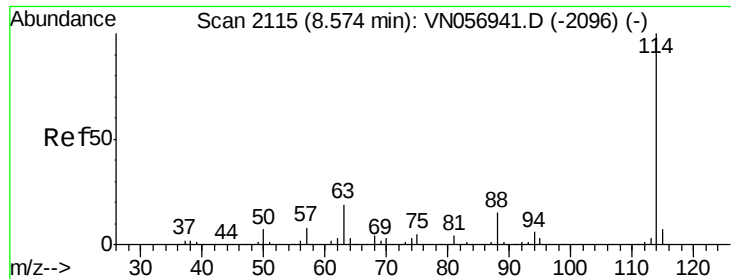
#33
1,2-Dichloroethane-d4
Concen: 58.899 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. 0.01 min
Lab File: VN057044.D
Acq: 1 Aug 2019 17:54

Tgt Ion: 65 Resp: 339109
Ion Ratio Lower Upper
65 100
67 54.4 0.0 112.0



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

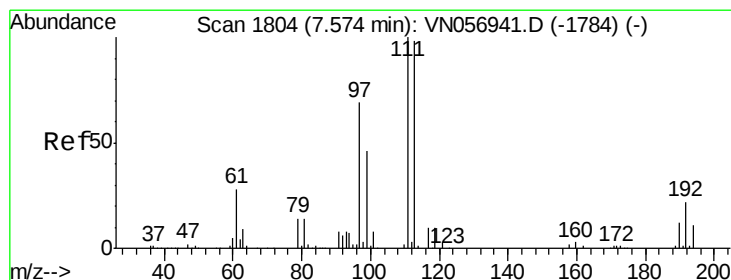
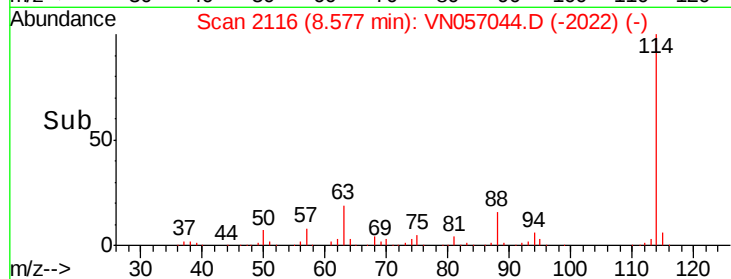
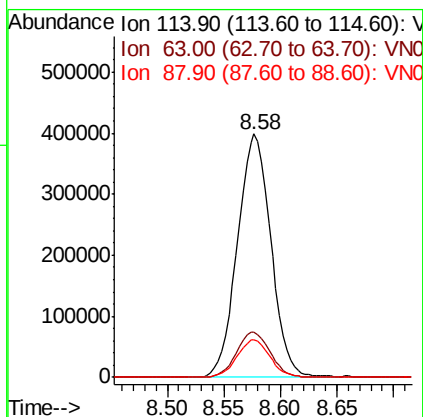
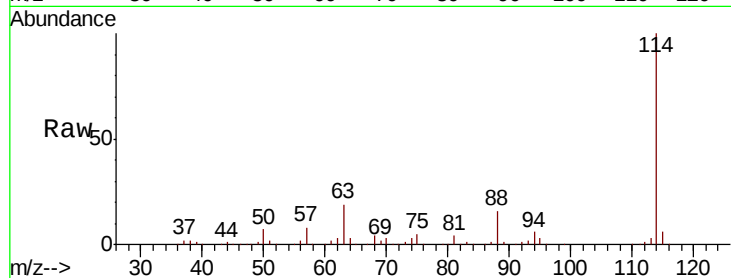




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057044.D
 Acq: 1 Aug 2019 17:54

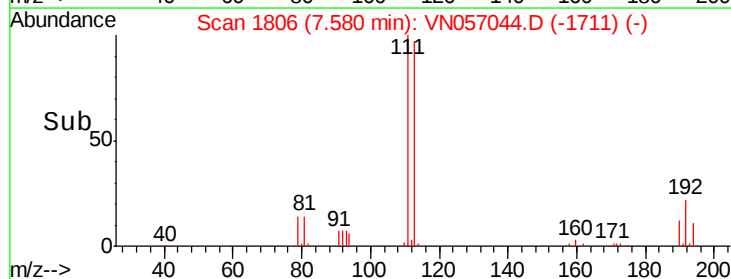
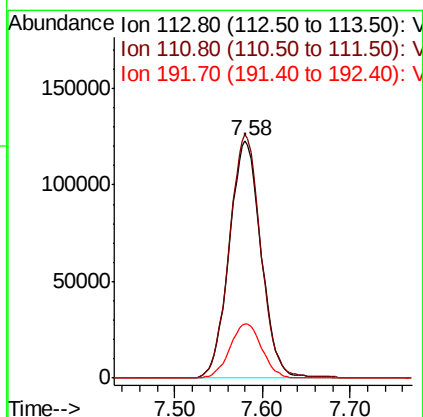
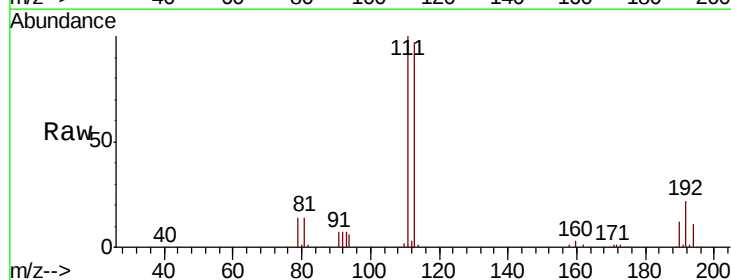
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500RE

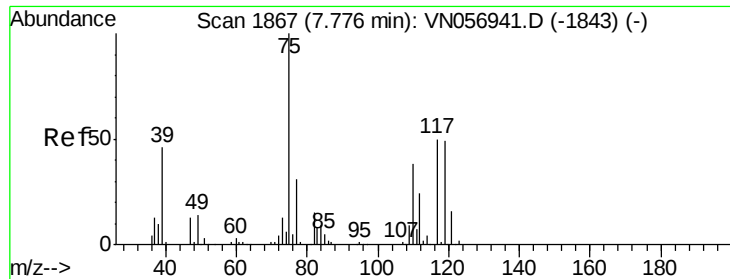
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	38.0
88	15.6	0.0	30.0



#35
 Dibromofluoromethane
 Concen: 58.788 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.01 min
 Lab File: VN057044.D
 Acq: 1 Aug 2019 17:54

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.0	123.0
192	23.1	18.4	27.6

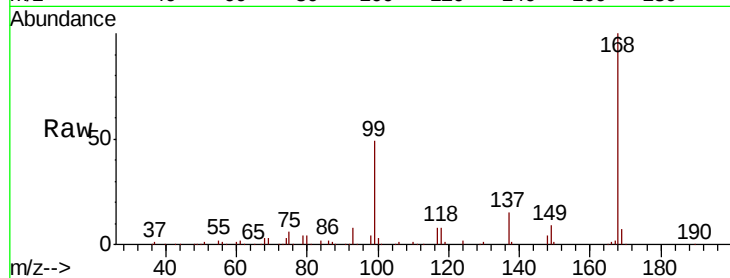




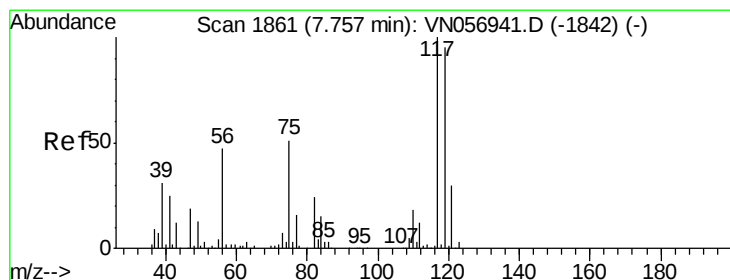
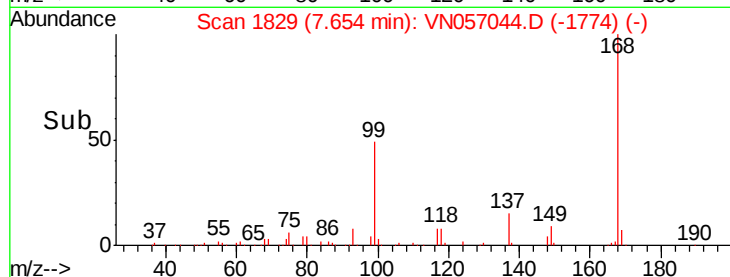
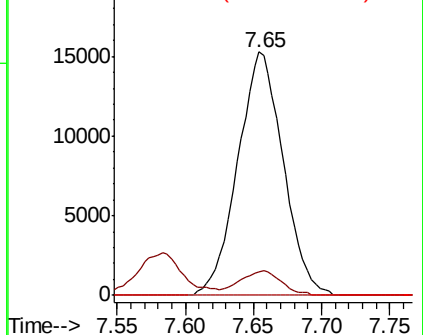
#36
 1,1-Dichloropropene
 Concen: 4.859 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.12 min
 Lab File: VN057044.D
 Acq: 1 Aug 2019 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-GW-498-500RE

Tot Ion: 75 Resp: 35218
 Ion Ratio Lower Upper
 75 100
 110 9.3 18.6 55.8#
 77 0.0 25.2 37.8#

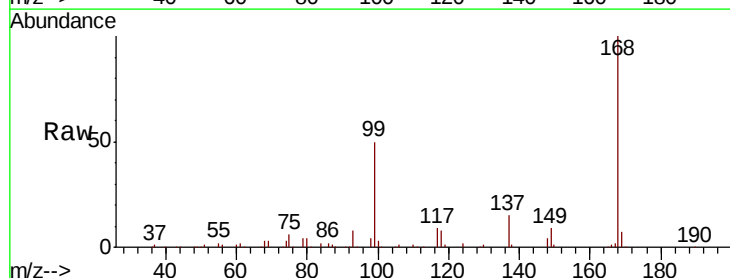


Abundance Ion 74.90 (74.60 to 75.60): VN056941.D (-1843) (-)
 Ion 109.90 (109.60 to 110.60): VN056941.D (-1843) (-)
 Ion 76.90 (76.60 to 77.60): VN056941.D (-1843) (-)

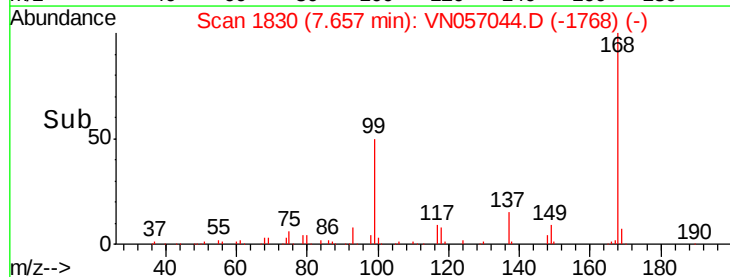
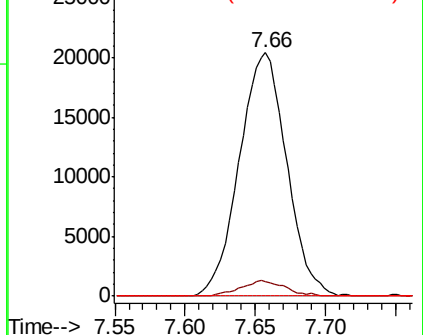


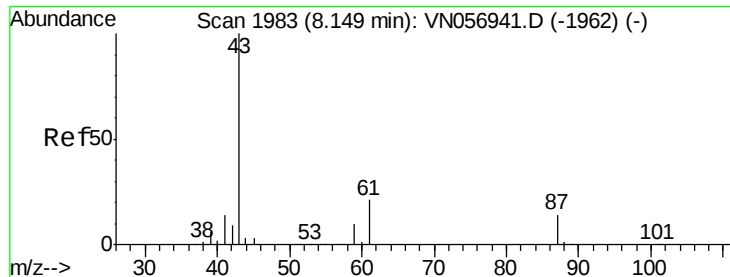
#38
 Carbon Tetrachloride
 Concen: 6.984 ug/l
 RT: 7.66 min Scan# 1830
 Delta R.T. -0.10 min
 Lab File: VN057044.D
 Acq: 1 Aug 2019 17:54

Tgt Ion: 117 Resp: 47878
 Ion Ratio Lower Upper
 117 100
 119 6.0 75.3 112.9#
 121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): VN056941.D (-1842) (-)
 Ion 118.80 (118.50 to 119.50): VN056941.D (-1842) (-)
 Ion 120.80 (120.50 to 121.50): VN056941.D (-1842) (-)





#43

Isopropyl Acetate

Concen: 0.484 ug/l

RT: 8.23 min Scan# 2008

Delta R.T. 0.08 min

Lab File: VN057044.D

Acq: 1 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500RE

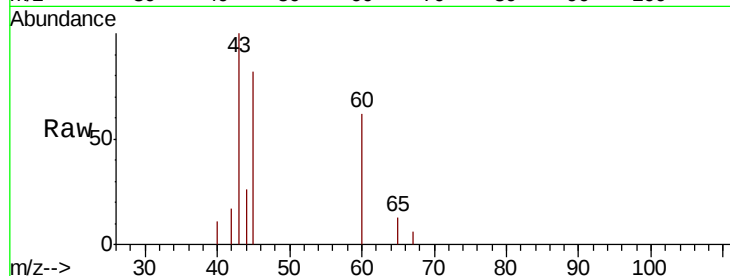
Tot Ion: 43 Resp: 4640

Ion Ratio Lower Upper

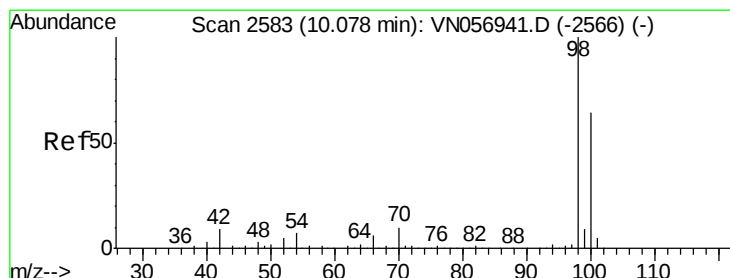
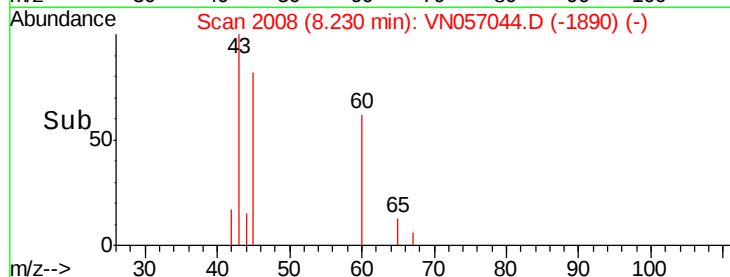
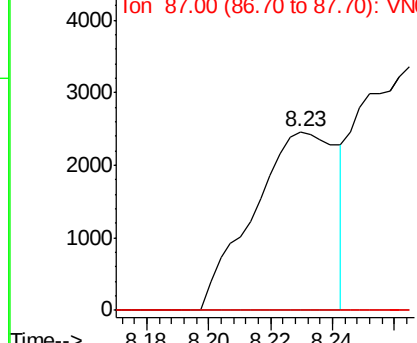
43 100

61 0.0 23.0 34.6#

87 0.0 11.7 17.5#



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



#50

Toluene-d8

Concen: 57.477 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN057044.D

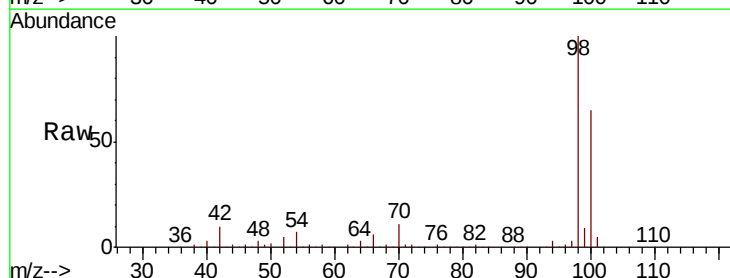
Acq: 1 Aug 2019 17:54

Tgt Ion: 98 Resp: 1155690

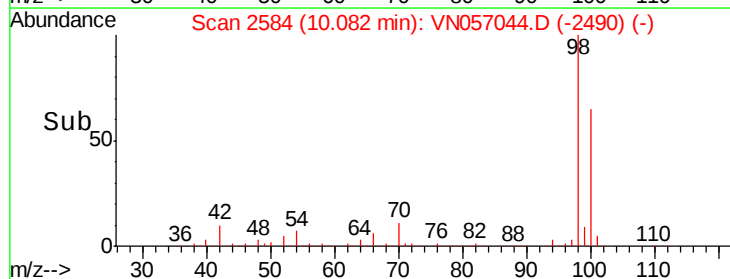
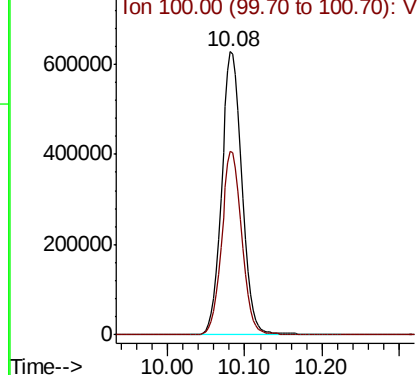
Ion Ratio Lower Upper

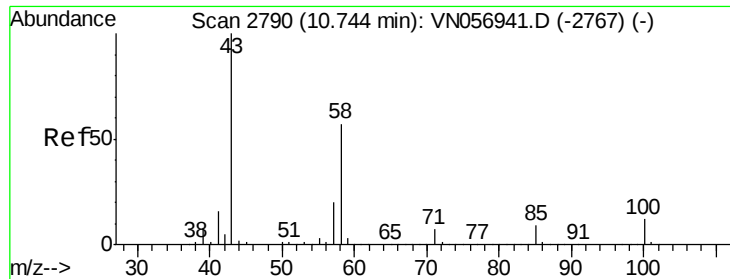
98 100

100 64.1 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VNO
Ion 100.00 (99.70 to 100.70): VNO





#59

2-Hexanone

Concen: 2.558 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN057044.D

Acq: 1 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

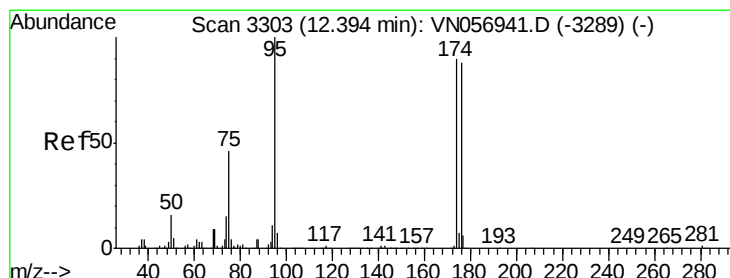
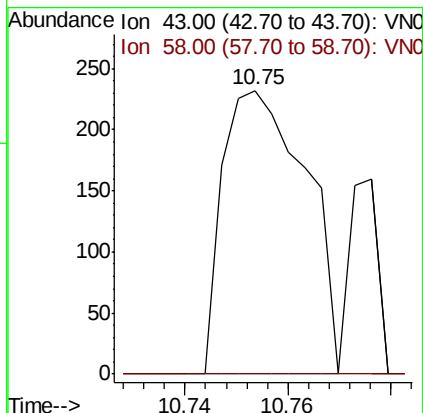
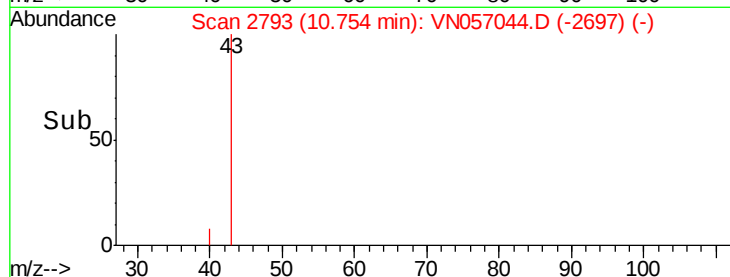
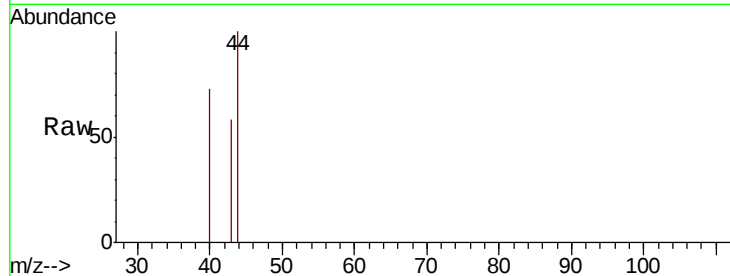
BP-VPB203-GW-498-500RE

Tot Ion: 43 Resp: 259

Ion Ratio Lower Upper

43 100

58 0.0 28.5 85.5#



#62

4-Bromofluorobenzene

Concen: 45.125 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN057044.D

Acq: 1 Aug 2019 17:54

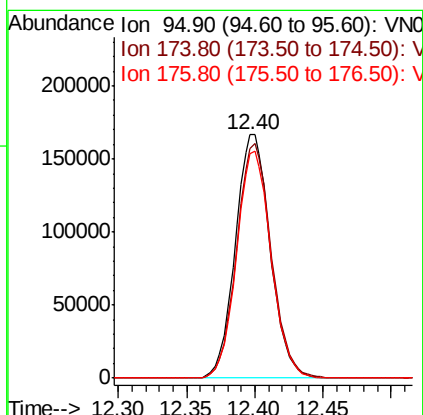
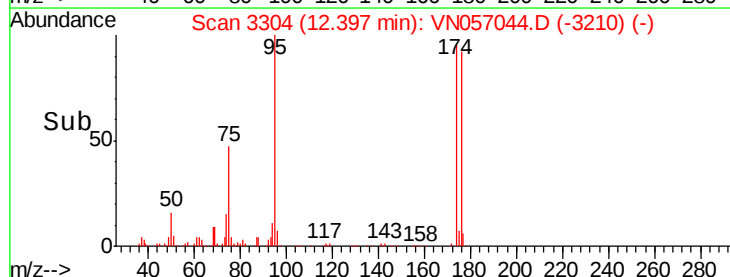
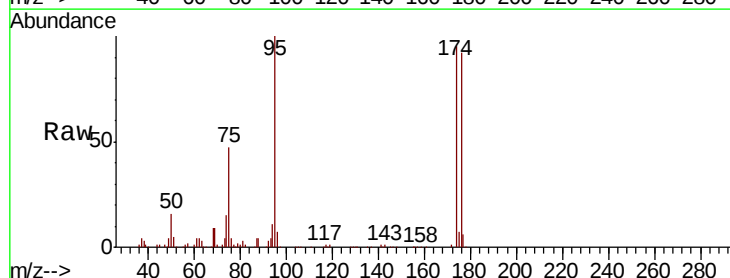
Tgt Ion: 95 Resp: 295375

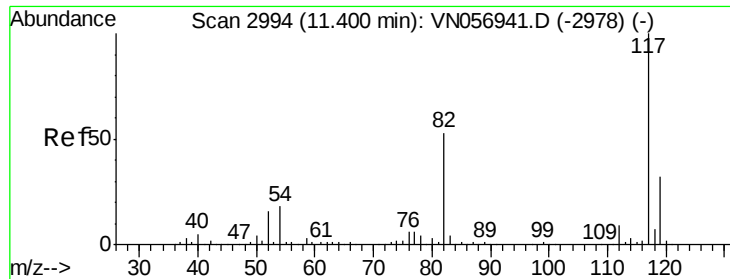
Ion Ratio Lower Upper

95 100

174 96.0 0.0 182.2

176 92.2 0.0 179.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN057044.D

Acq: 1 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500RE

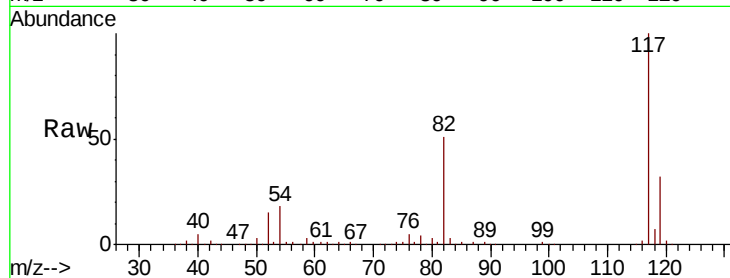
Tot Ion:117 Resp: 674665

Ion Ratio Lower Upper

117 100

82 50.9 42.2 63.4

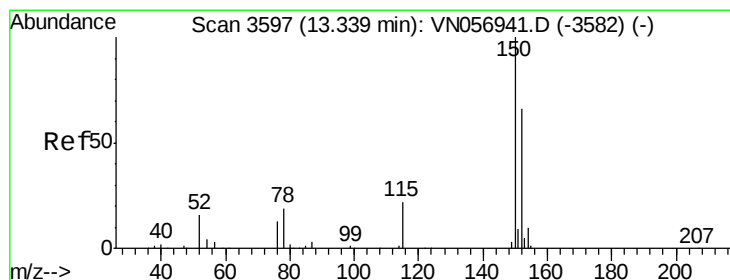
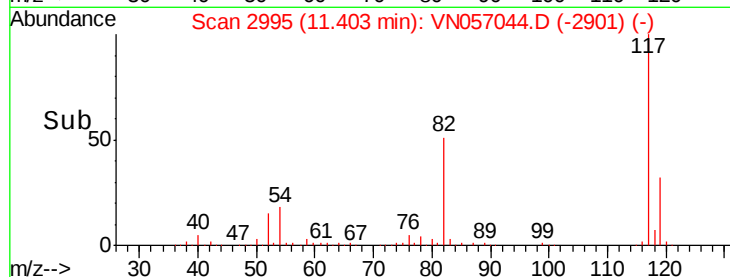
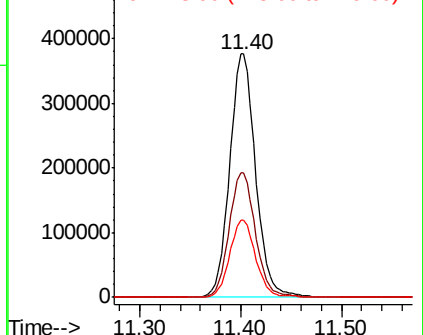
119 31.8 25.8 38.6



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN057044.D

Acq: 1 Aug 2019 17:54

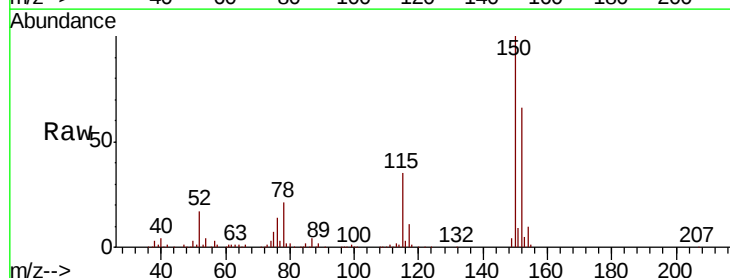
Tgt Ion:152 Resp: 181521

Ion Ratio Lower Upper

152 100

115 54.0 28.2 84.6

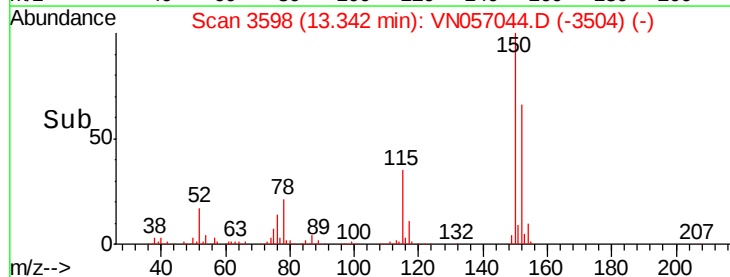
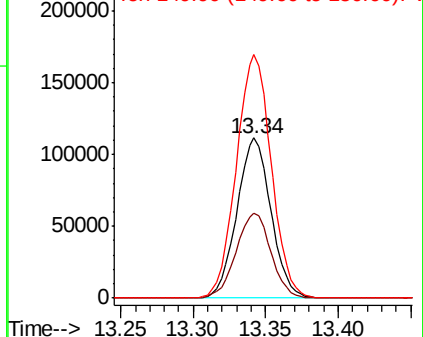
150 156.1 0.0 349.4

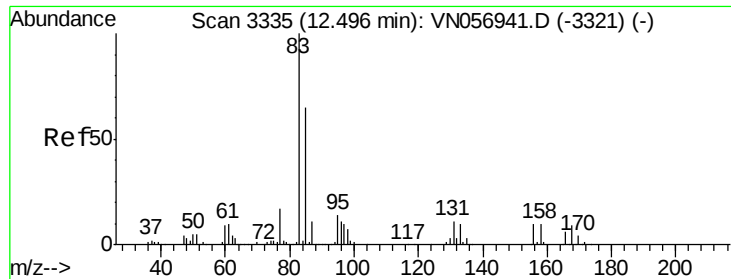


Abundance Ion 151.90 (151.60 to 152.60): V

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: 12.39 min Scan# 3302

Delta R.T. -0.11 min

Lab File: VN057044.D

Acq: 1 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500RE

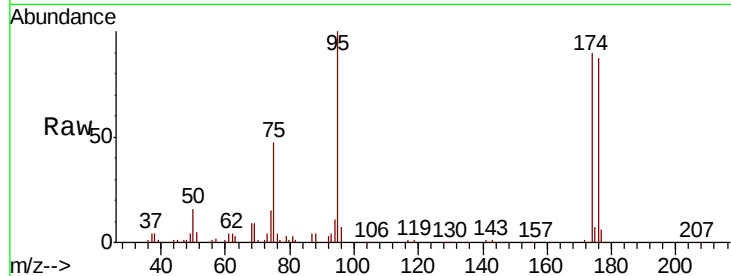
Tot Ion: 83 Resp: 59

Ion Ratio Lower Upper

83 100

131 406.8 5.3 16.1#

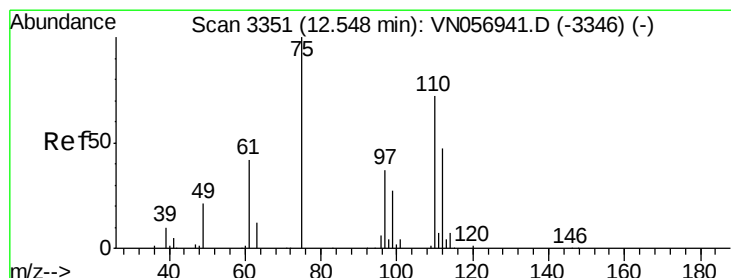
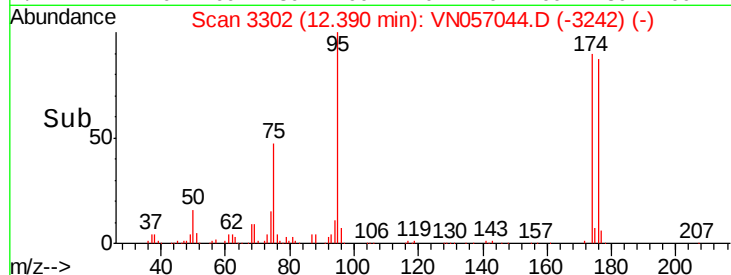
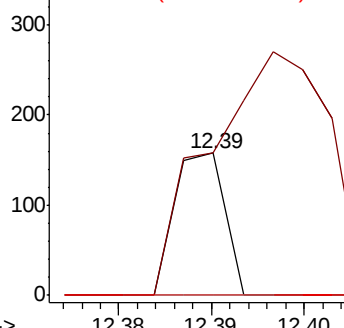
85 0.0 32.5 97.4#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 37.049 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN057044.D

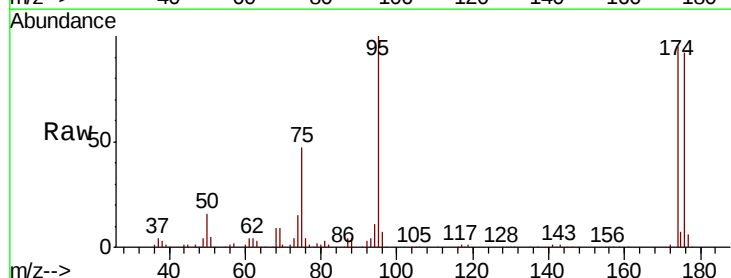
Acq: 1 Aug 2019 17:54

Tgt Ion: 75 Resp: 136578

Ion Ratio Lower Upper

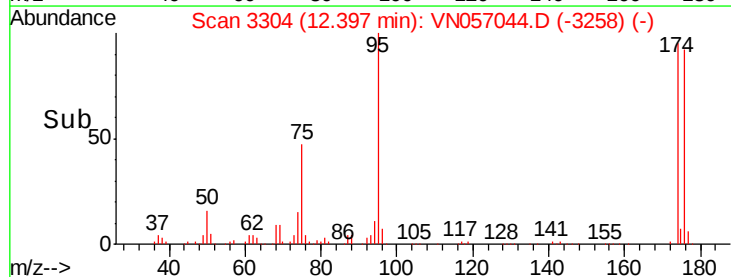
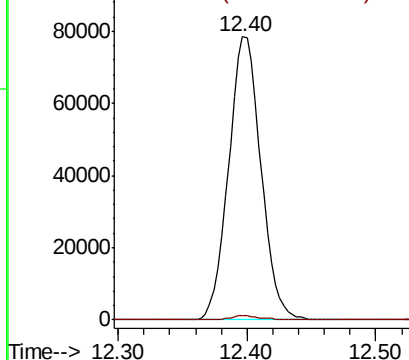
75 100

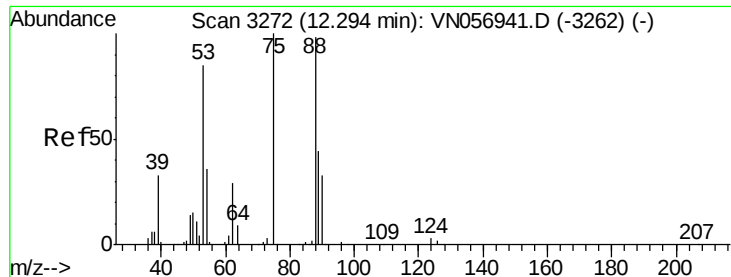
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 119.038 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN057044.D

Acq: 1 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-GW-498-500RE

Tot Ion: 75 Resp: 136578

Ion Ratio Lower Upper

75 100

53 0.0 69.3 103.9#

89 0.0 35.8 53.6#

