

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057041.D
 Acq On : 1 Aug 2019 16:44
 Operator : JC/SP
 Sample : K4097-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-EB-20190730RE

Quant Time: Aug 02 05:15:03 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	560137	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	812617	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	666007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	171210	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	313864	54.74	ug/l	0.00
Spiked Amount			Recovery	=	109.48%	
35) Dibromofluoromethane	7.58	113	286381	55.05	ug/l	0.00
Spiked Amount			Recovery	=	110.10%	
50) Toluene-d8	10.08	98	1075506	54.21	ug/l	0.00
Spiked Amount			Recovery	=	108.42%	
62) 4-Bromofluorobenzene	12.40	95	268738	41.61	ug/l	0.00
Spiked Amount			Recovery	=	83.22%	

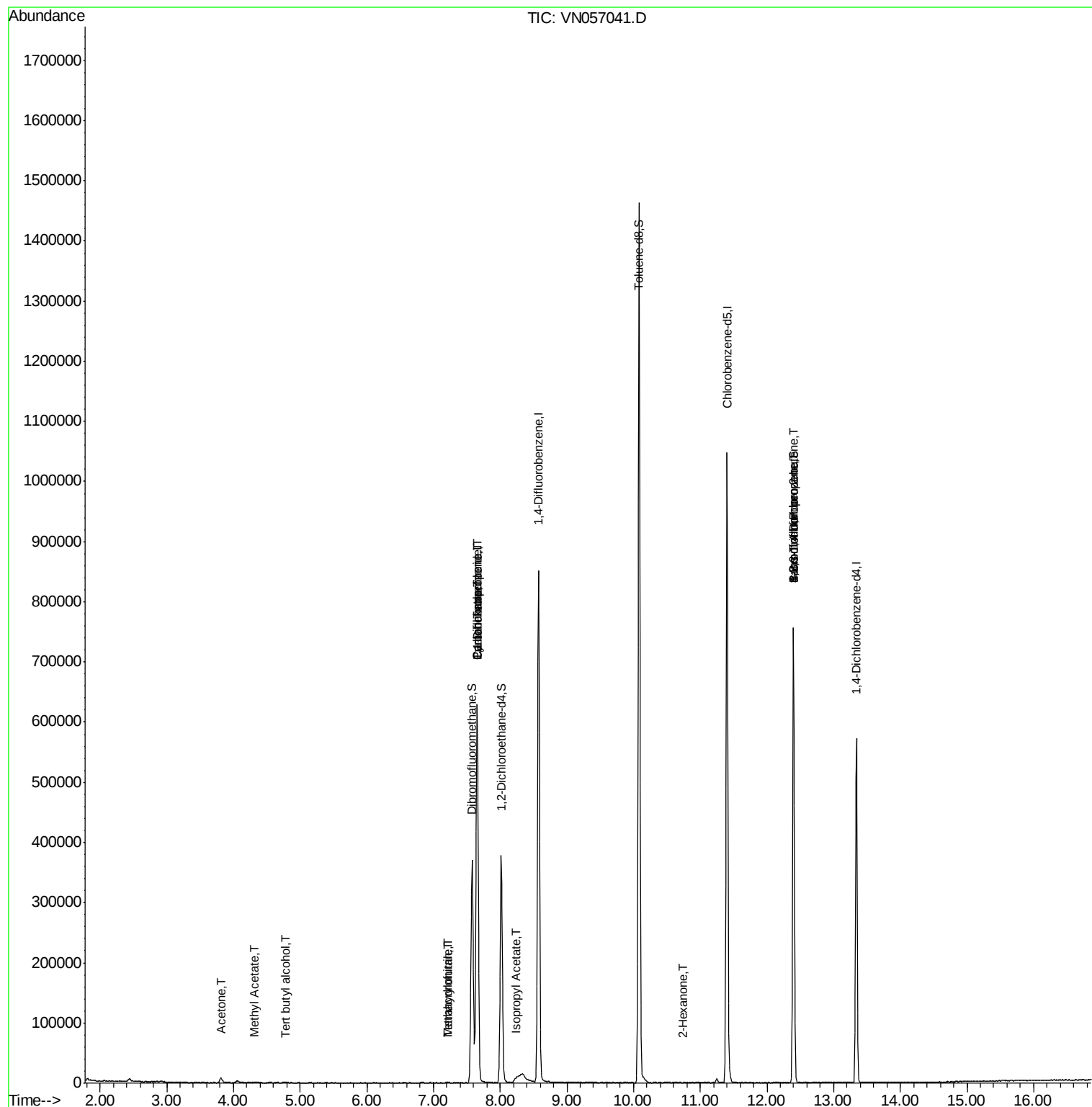
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	779	1.005	ug/l #	74
16) Acetone	3.82	43	13884	6.684	ug/l	93
18) Methyl Acetate	4.32	43	1540	0.232	ug/l #	75
29) Tetrahydrofuran	7.21	42	1309	0.681	ug/l #	70
31) Cyclohexane	7.65	56	8780	0.932	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	33820	4.730	ug/l #	49
38) Carbon Tetrachloride	7.65	117	47680	7.049	ug/l #	17
41) Methacrylonitrile	7.21	41	660	0.249	ug/l #	16
43) Isopropyl Acetate	8.23	43	4347	0.459	ug/l #	52
59) 2-Hexanone	10.74	43	61	2.514	ug/l #	23
71) Bromoform	12.40	173	2453	0.688	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	123880	35.628	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	123880	114.473	ug/l #	15

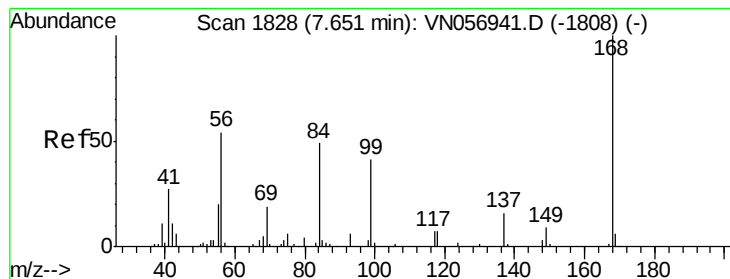
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jul 27 01:33:29 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057041.D

Acq: 1 Aug 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

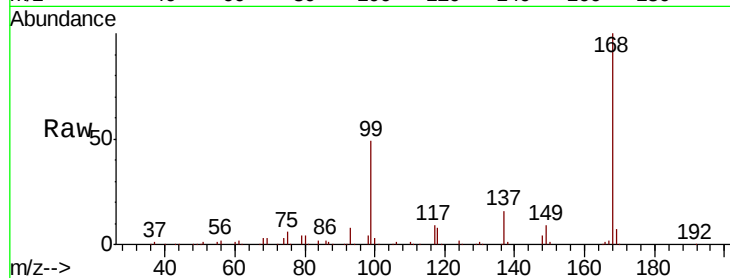
BP-VPB203-EB-20190730RE

Tot Ion:168 Resp: 560137

Ion Ratio Lower Upper

168 100

99 48.7 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

250000

200000

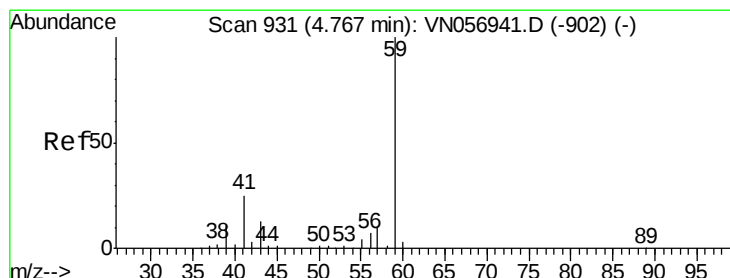
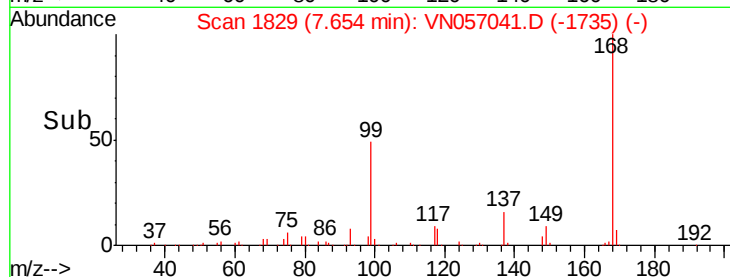
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.005 ug/l

RT: 4.78 min Scan# 935

Delta R.T. 0.01 min

Lab File: VN057041.D

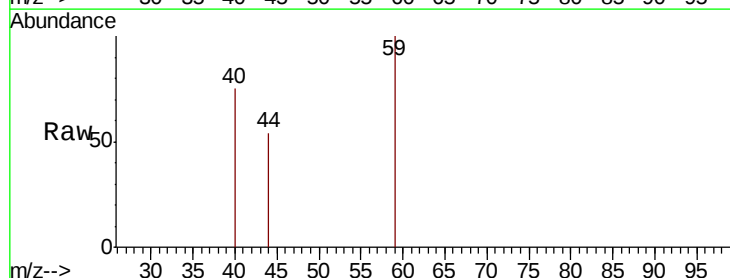
Acq: 1 Aug 2019 16:44

Tgt Ion: 59 Resp: 779

Ion Ratio Lower Upper

59 100

57 0.0 7.5 11.3#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.78

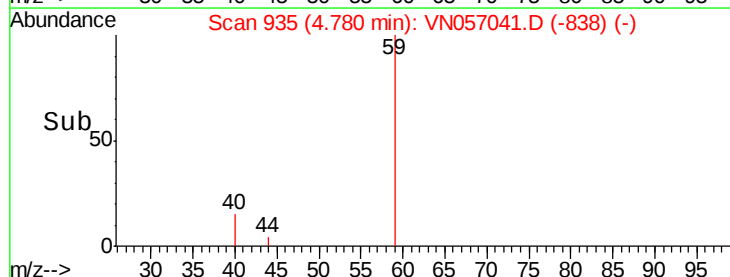
600

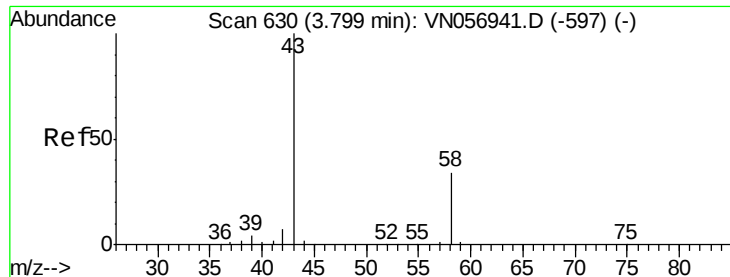
400

200

0

Time-->





#16

Acetone

Concen: 6.684 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.02 min

Lab File: VN057041.D

Acq: 1 Aug 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

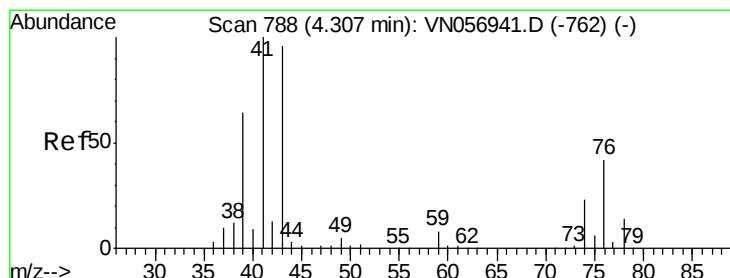
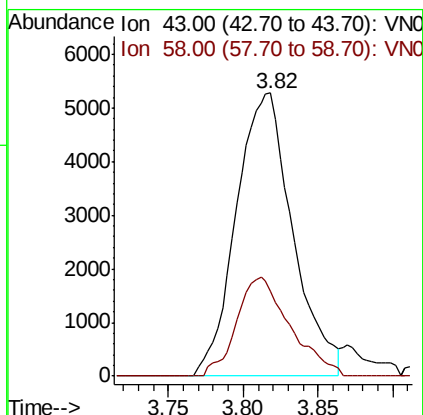
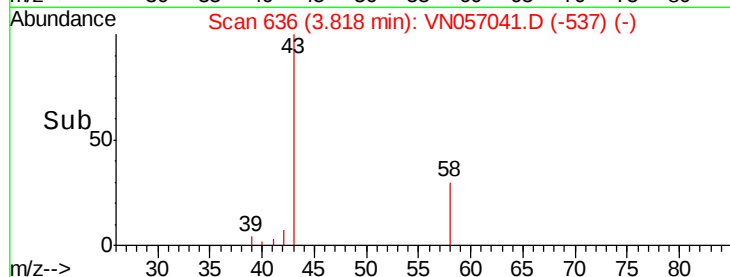
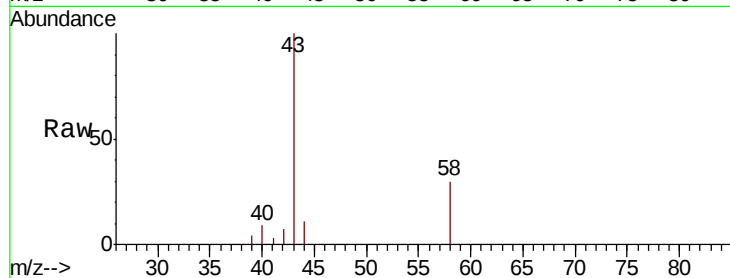
BP-VPB203-EB-20190730RE

Tot Ion: 43 Resp: 13884

Ion Ratio Lower Upper

43 100

58 29.8 27.2 40.8



#18

Methyl Acetate

Concen: 0.232 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.01 min

Lab File: VN057041.D

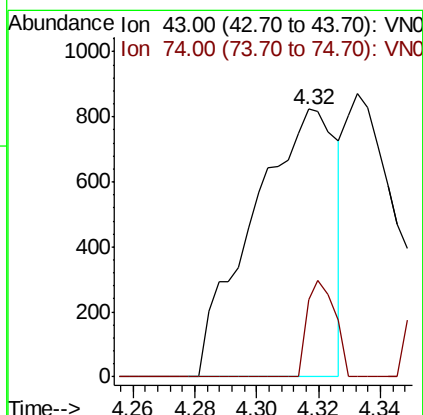
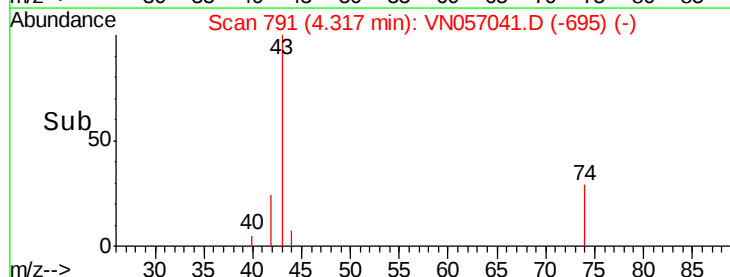
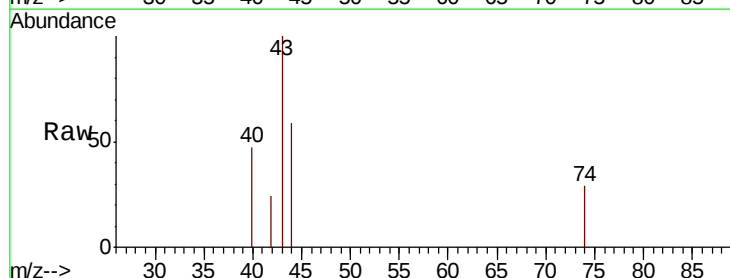
Acq: 1 Aug 2019 16:44

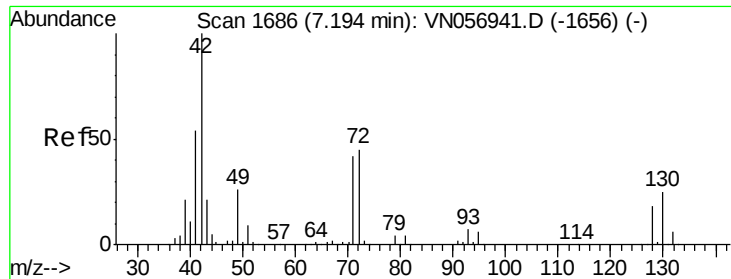
Tgt Ion: 43 Resp: 1540

Ion Ratio Lower Upper

43 100

74 12.0 19.7 29.5#

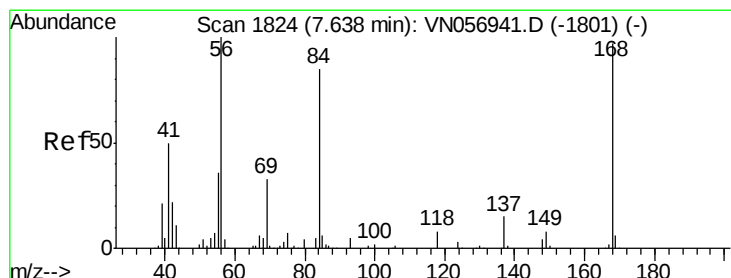
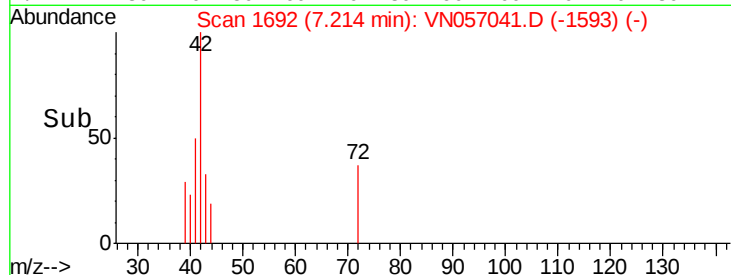
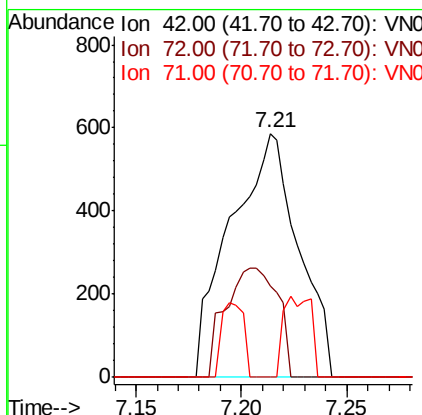
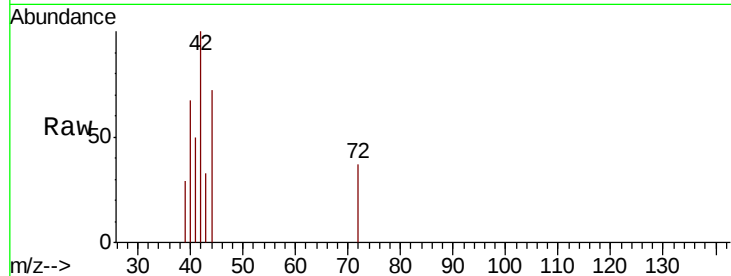




#29
Tetrahydrofuran
Concen: 0.681 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.02 min
Lab File: VN057041.D
Acq: 1 Aug 2019 16:44

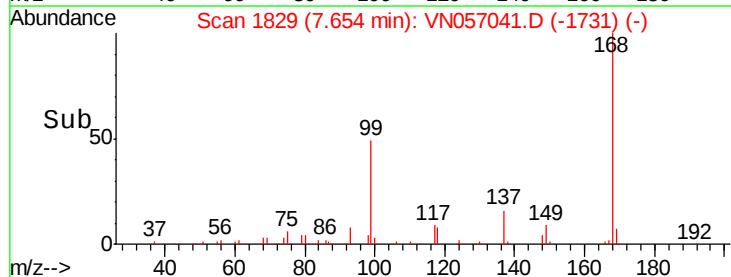
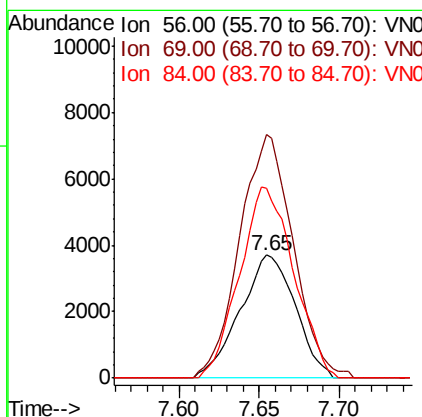
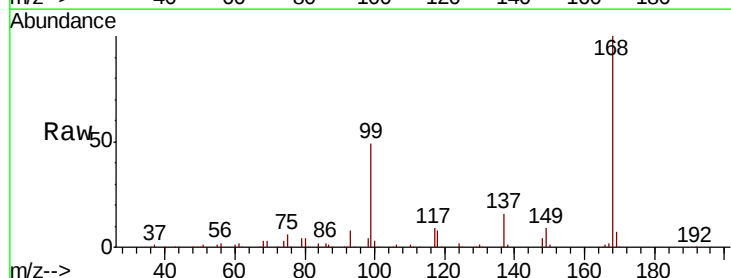
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-EB-20190730RE

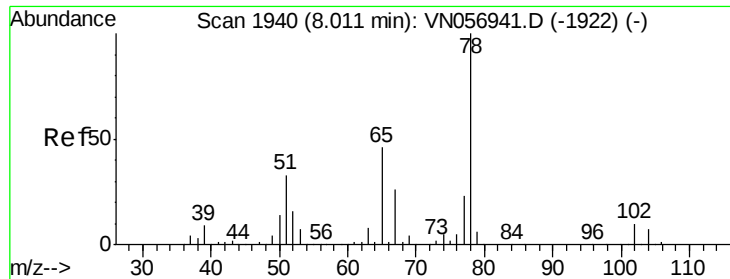
Tot Ion: 42 Resp: 1309
Ion Ratio Lower Upper
42 100
72 34.1 35.6 53.4#
71 13.2 33.5 50.3#



#31
Cyclohexane
Concen: 0.932 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.02 min
Lab File: VN057041.D
Acq: 1 Aug 2019 16:44

Tgt Ion: 56 Resp: 8780
Ion Ratio Lower Upper
56 100
69 197.8 26.2 39.2#
84 153.8 68.2 102.2#

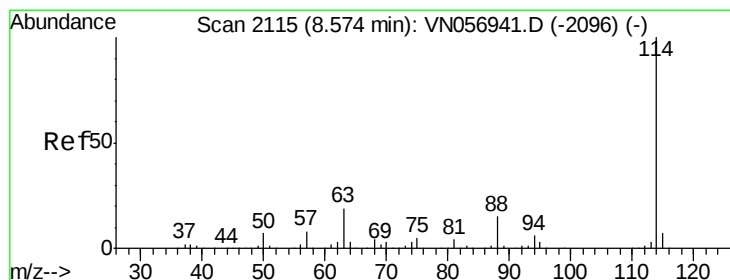
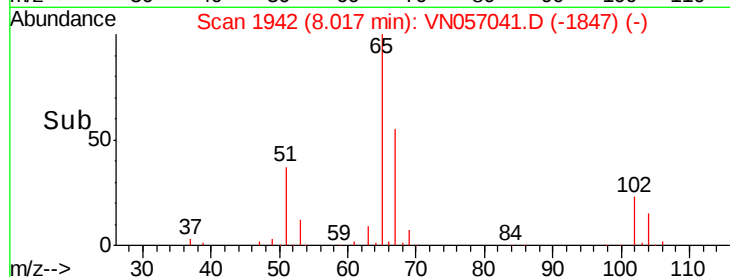
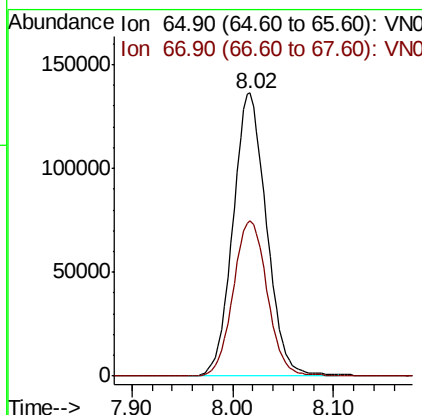
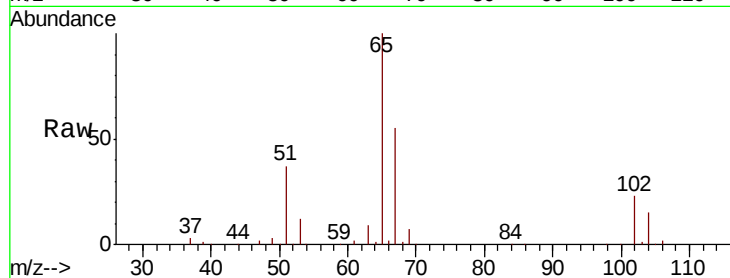




#33
 1,2-Dichloroethane-d4
 Concen: 54.739 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.01 min
 Lab File: VN057041.D
 Acq: 1 Aug 2019 16:44

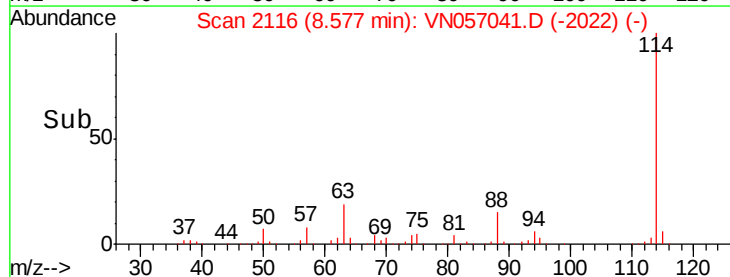
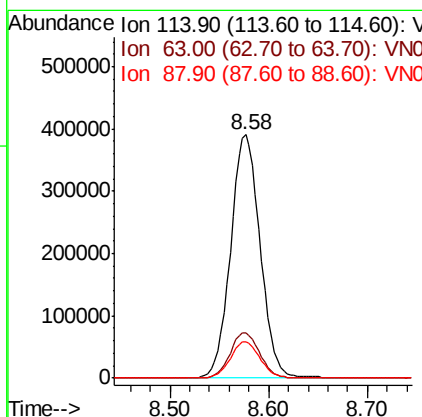
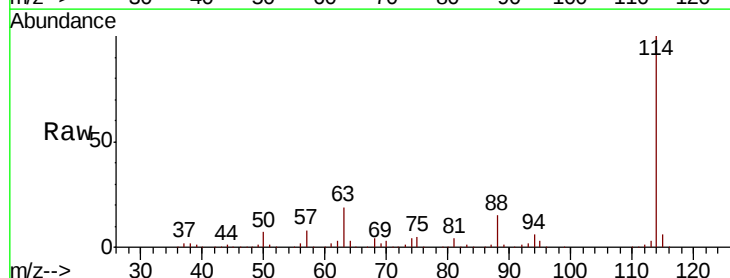
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-EB-20190730RE

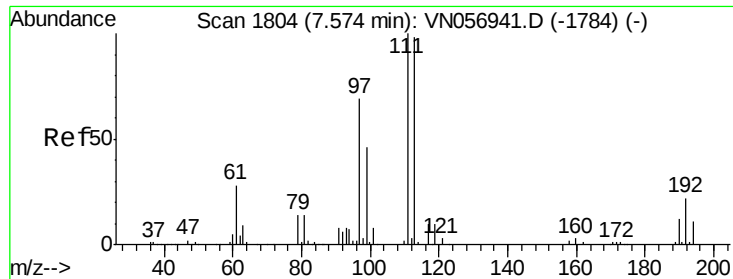
Tot Ion: 65 Resp: 313864
 Ion Ratio Lower Upper
 65 100
 67 56.0 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057041.D
 Acq: 1 Aug 2019 16:44

Tgt Ion: 114 Resp: 812617
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 38.0
 88 15.0 0.0 30.0

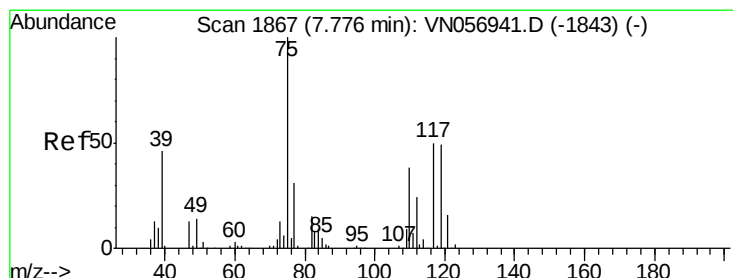
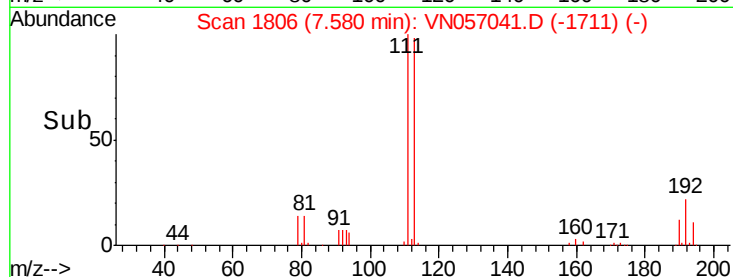
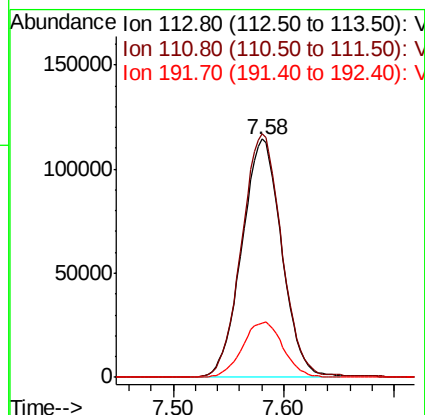
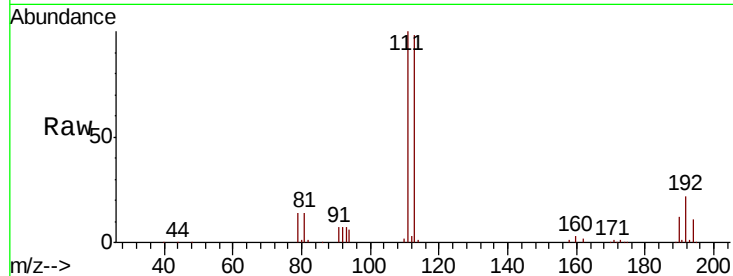




#35
 Dibromofluoromethane
 Concen: 55.051 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.01 min
 Lab File: VN057041.D
 Acq: 1 Aug 2019 16:44

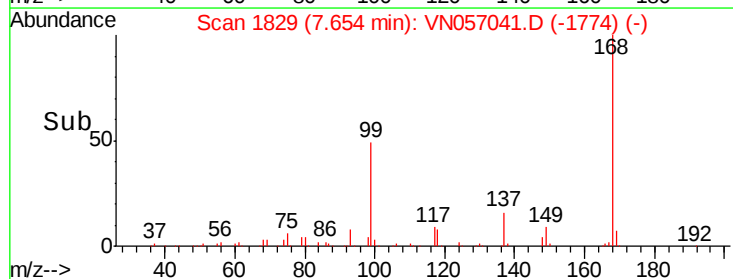
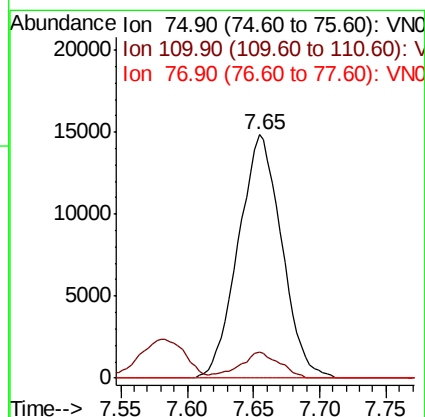
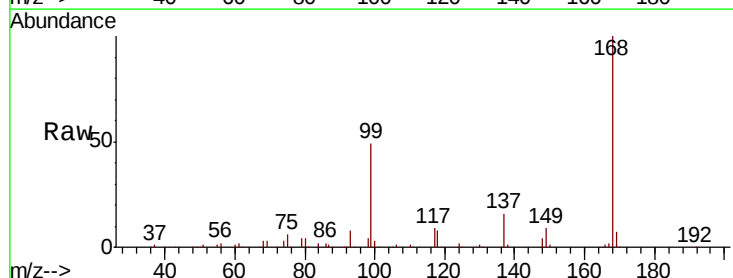
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB203-EB-20190730RE

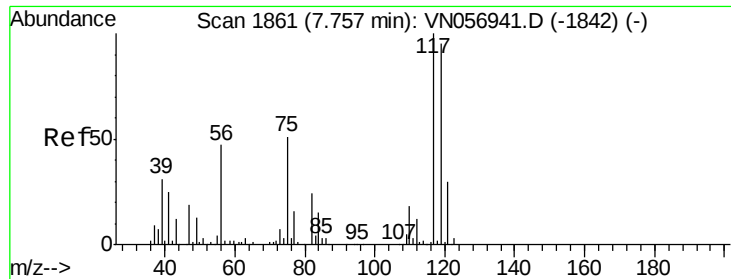
Tot Ion:113 Resp: 286381
 Ion Ratio Lower Upper
 113 100
 111 103.1 82.0 123.0
 192 23.9 18.4 27.6



#36
 1,1-Dichloropropene
 Concen: 4.730 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.12 min
 Lab File: VN057041.D
 Acq: 1 Aug 2019 16:44

Tgt Ion: 75 Resp: 33820
 Ion Ratio Lower Upper
 75 100
 110 9.8 18.6 55.8#
 77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 7.049 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.10 min

Lab File: VN057041.D

Acq: 1 Aug 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-EB-20190730RE

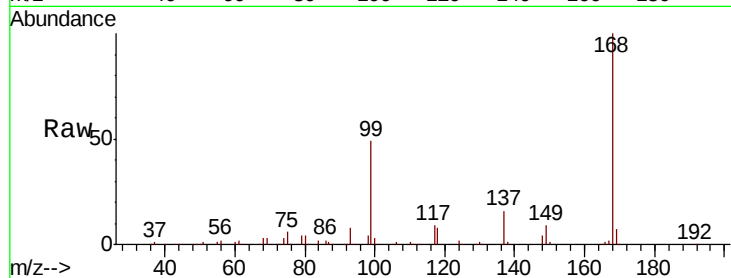
Tot Ion:117 Resp: 47680

Ion Ratio Lower Upper

117 100

119 4.9 75.3 112.9#

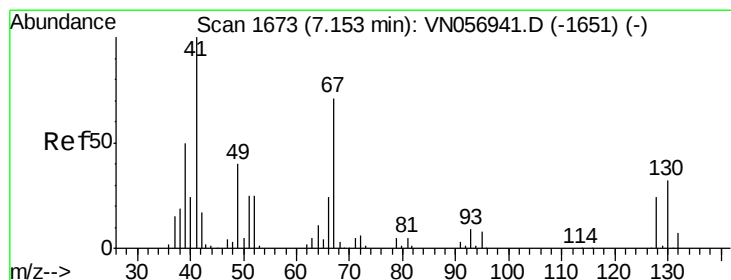
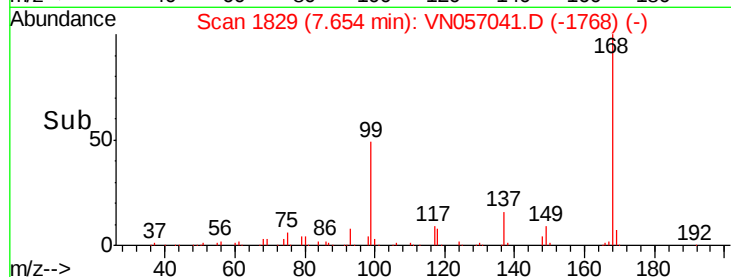
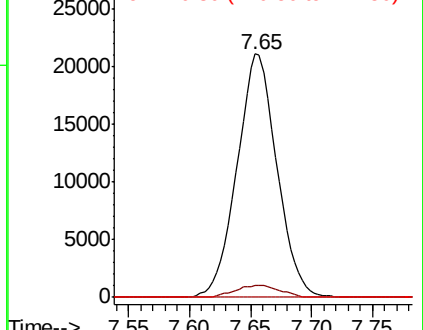
121 0.0 24.2 36.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 0.249 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. 0.05 min

Lab File: VN057041.D

Acq: 1 Aug 2019 16:44

Tgt Ion: 41 Resp: 660

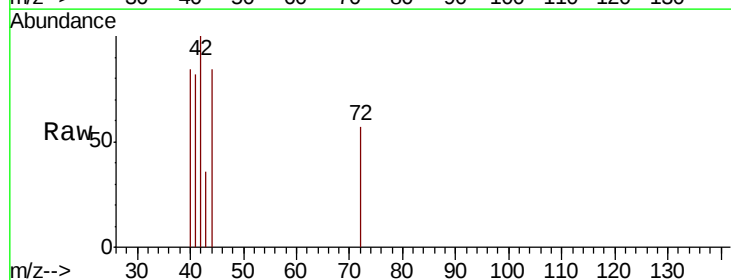
Ion Ratio Lower Upper

41 100

39 9.7 48.9 73.3#

67 0.0 83.4 125.0#

52 0.0 30.9 46.3#

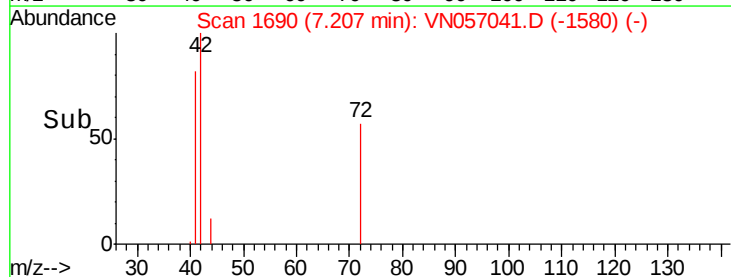
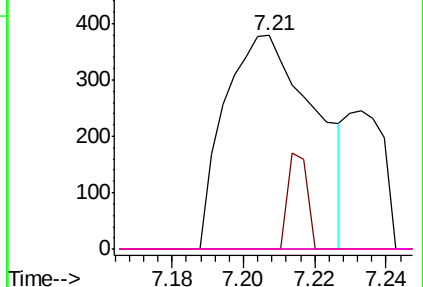


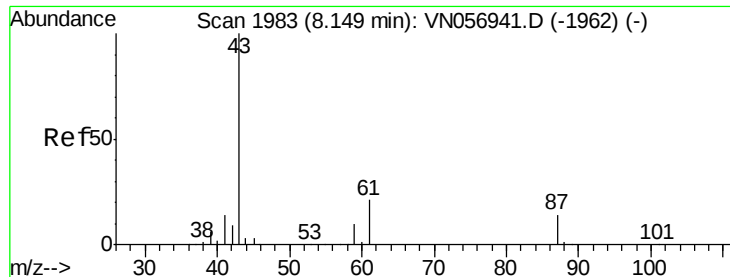
Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO





#43

Isopropyl Acetate

Concen: 0.459 ug/l

RT: 8.23 min Scan# 2008

Delta R.T. 0.08 min

Lab File: VN057041.D

Acq: 1 Aug 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-EB-20190730RE

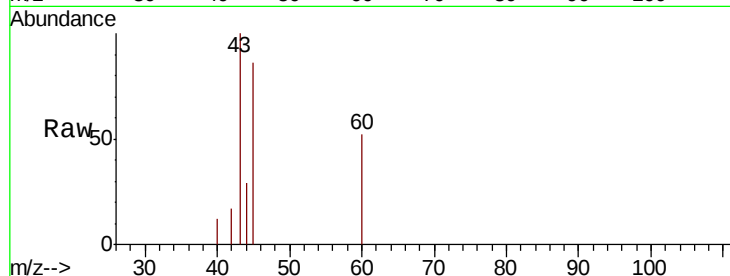
Tot Ion: 43 Resp: 4347

Ion Ratio Lower Upper

43 100

61 0.0 23.0 34.6#

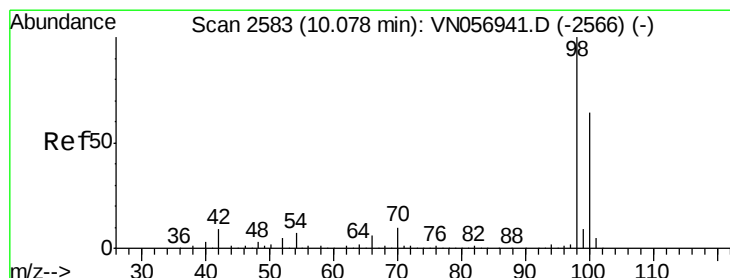
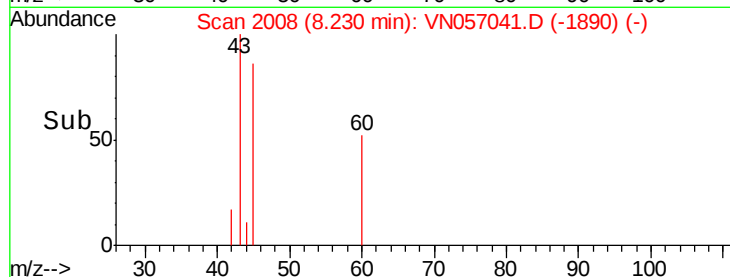
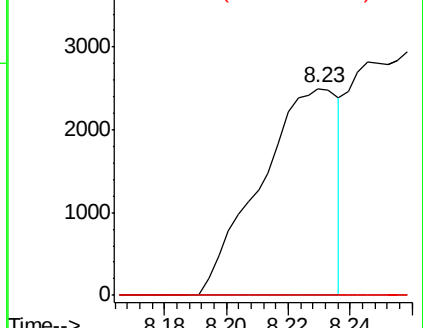
87 0.0 11.7 17.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 54.214 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN057041.D

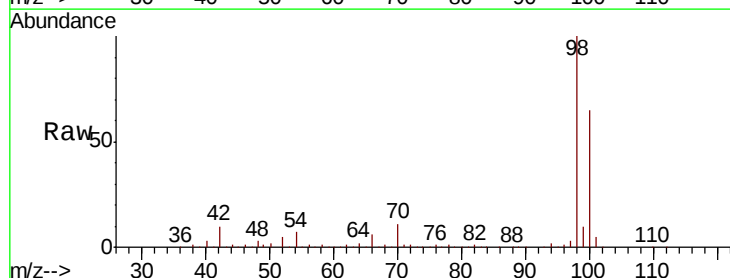
Acq: 1 Aug 2019 16:44

Tgt Ion: 98 Resp: 1075506

Ion Ratio Lower Upper

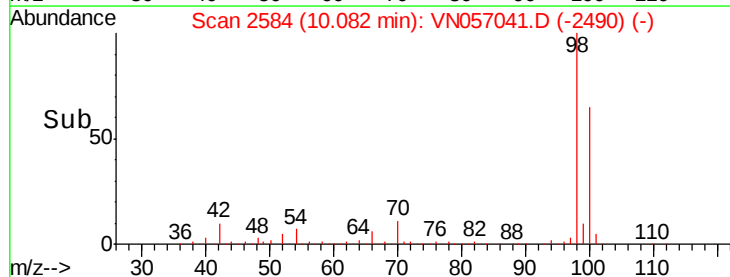
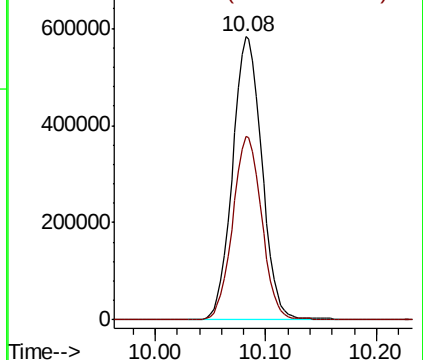
98 100

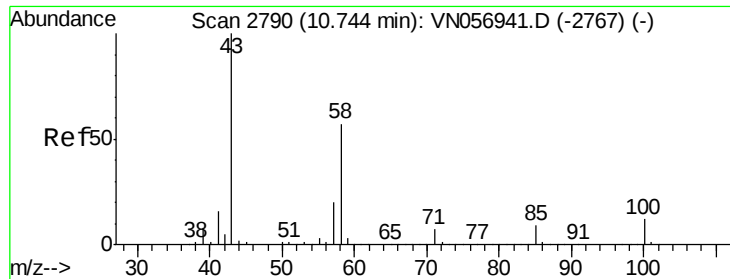
100 64.2 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

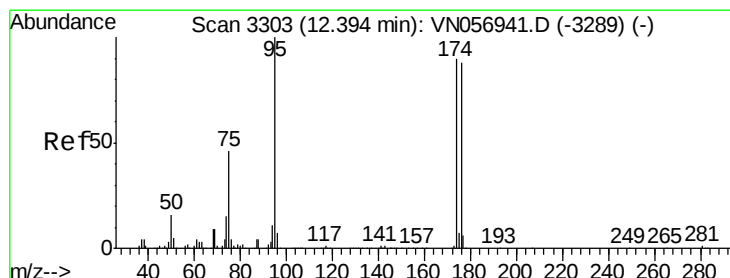
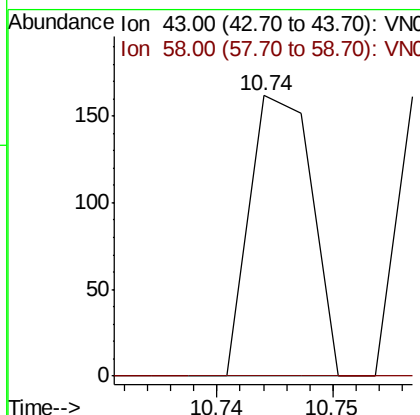
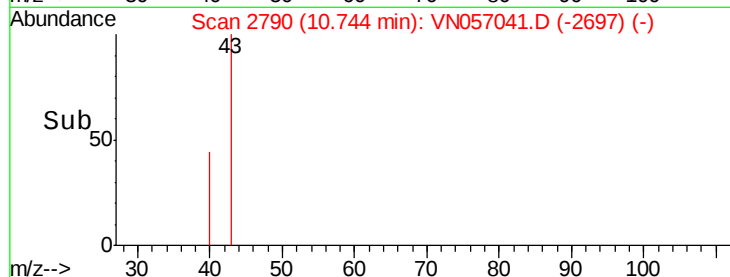
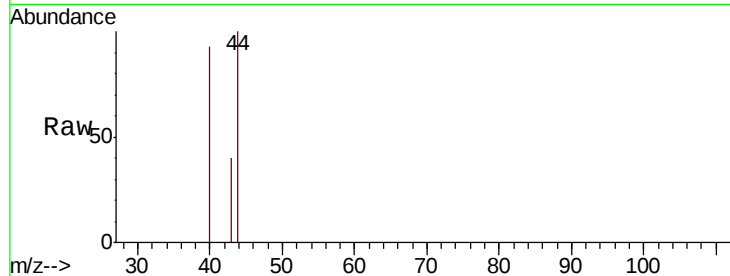




#59
2-Hexanone
Concen: 2.514 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN057041.D
Acq: 1 Aug 2019 16:44

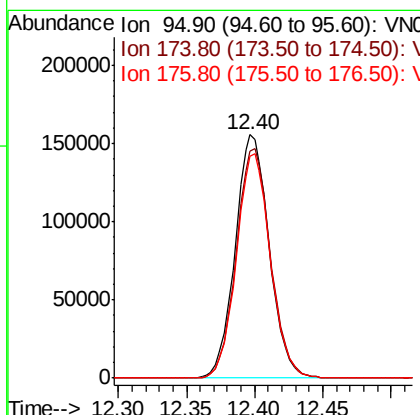
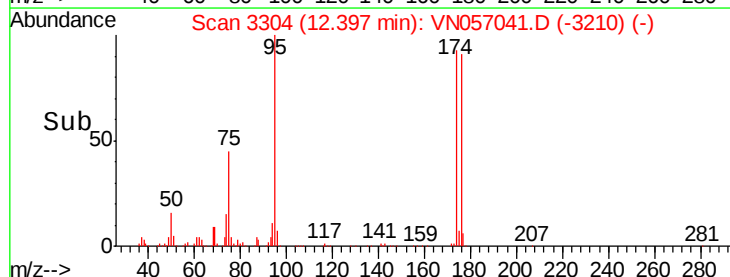
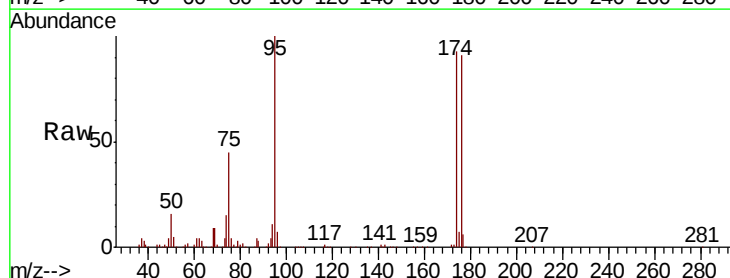
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-EB-20190730RE

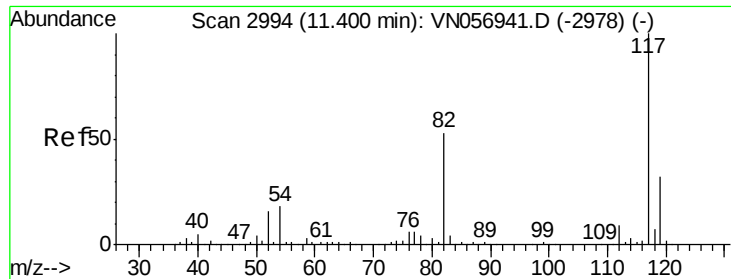
Tot Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
58 0.0 28.5 85.5#



#62
4-Bromofluorobenzene
Concen: 41.612 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN057041.D
Acq: 1 Aug 2019 16:44

Tgt Ion: 95 Resp: 268738
Ion Ratio Lower Upper
95 100
174 95.1 0.0 182.2
176 92.2 0.0 179.4

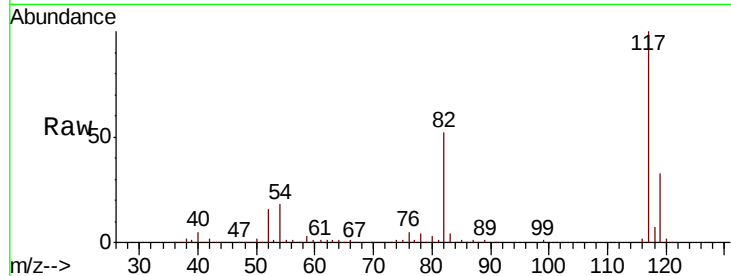




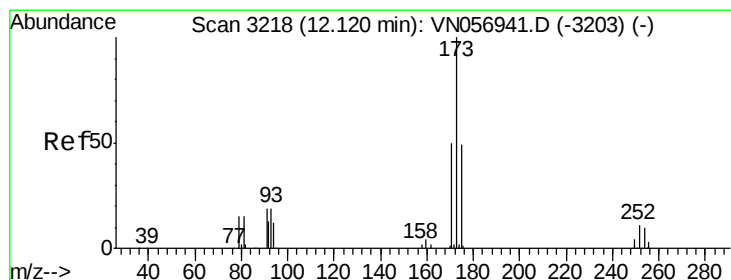
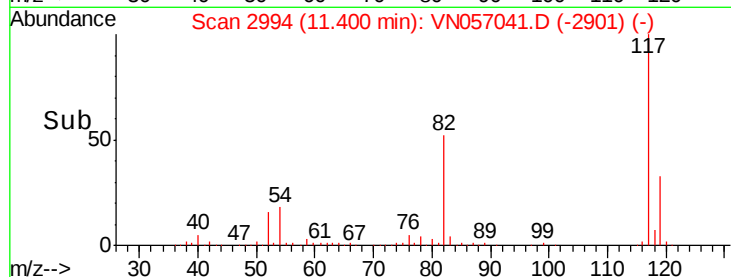
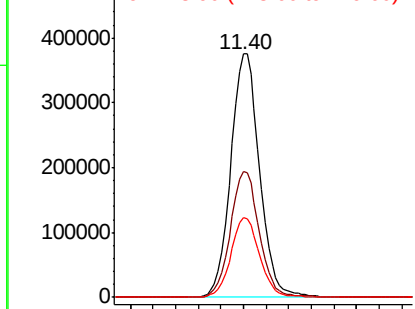
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN057041.D
Acq: 1 Aug 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB203-EB-20190730RE

Tot Ion:117 Resp: 666007
Ion Ratio Lower Upper
117 100
82 51.7 42.2 63.4
119 32.8 25.8 38.6

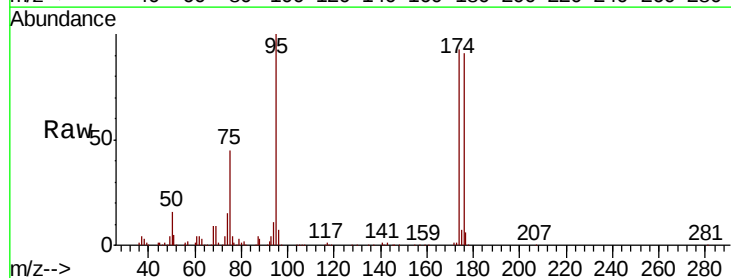


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

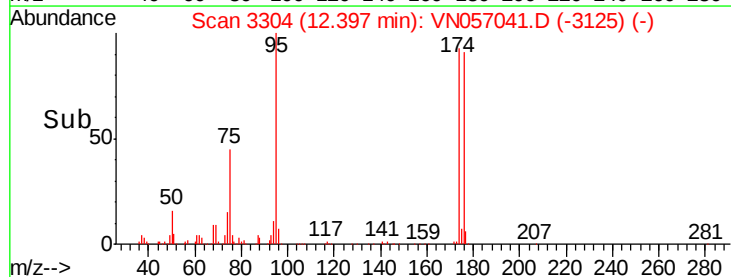
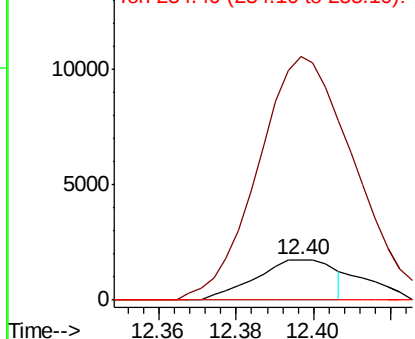


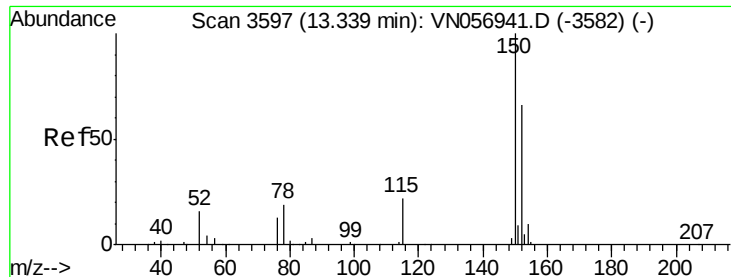
#71
Bromoform
Concen: 0.688 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN057041.D
Acq: 1 Aug 2019 16:44

Tgt Ion:173 Resp: 2453
Ion Ratio Lower Upper
173 100
175 586.6 24.1 72.4#
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: VN057041.D

Acq: 1 Aug 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-EB-20190730RE

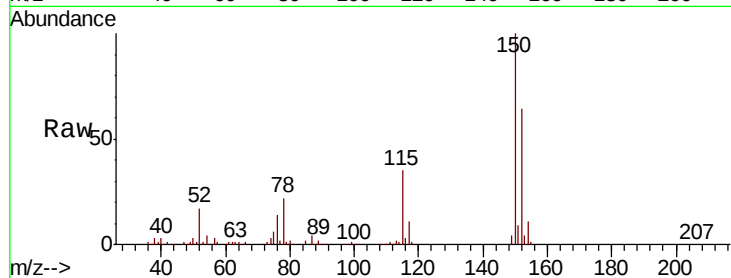
Tot Ion:152 Resp: 171210

Ion Ratio Lower Upper

152 100

115 55.6 28.2 84.6

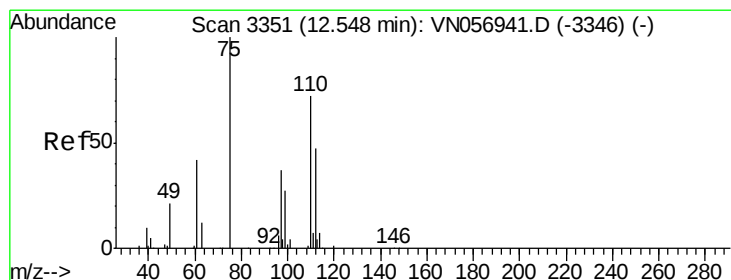
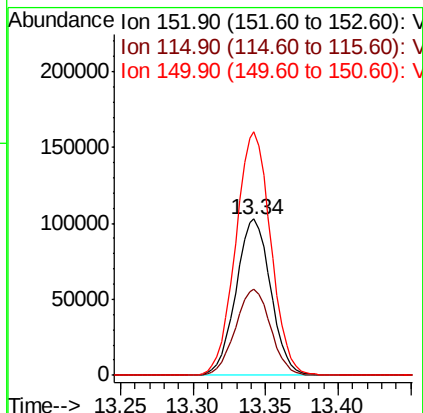
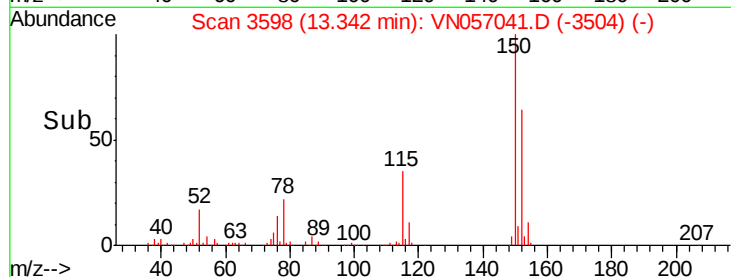
150 157.6 0.0 349.4



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



#76

1,2,3-Trichloropropane

Concen: 35.628 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN057041.D

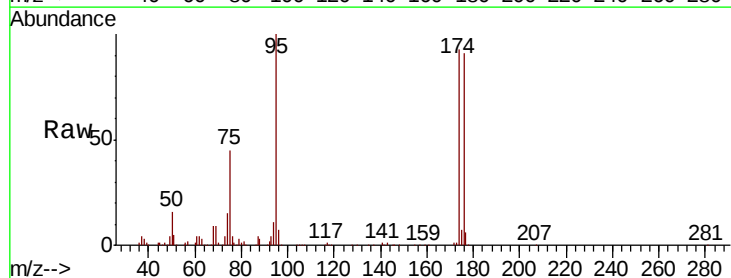
Acq: 1 Aug 2019 16:44

Tgt Ion: 75 Resp: 123880

Ion Ratio Lower Upper

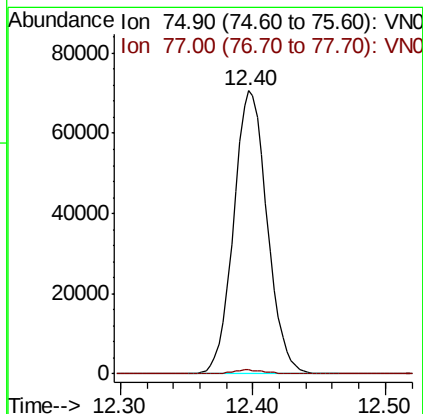
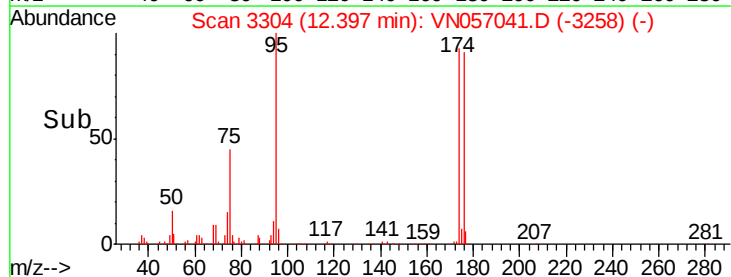
75 100

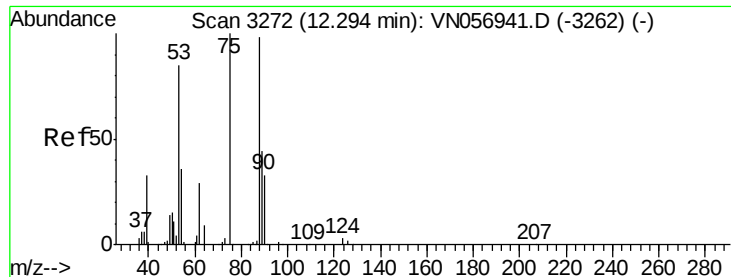
77 1.3 0.0 0.0#



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: 114.473 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN057041.D

Acq: 1 Aug 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB203-EB-20190730RE

Tot Ion: 75 Resp: 123880

Ion Ratio Lower Upper

75 100

53 0.0 69.3 103.9#

89 0.0 35.8 53.6#

